UTICA ALLOYS INC.

UTICA ALLOYS FACILITY SUPPLEMENTAL INVESTIGATION REPORT

Utica Alloys Inc., Utica, New York

PREPARED BY:

WILLIAM F. COSULICH ASSOCIATES, P.C.

ENVIRONMENTAL ENGINEERS AND SCIENTISTS

APRIL 1996

UTICA ALLOYS FACILITY
SUPPLEMENTAL INVESTIGATION REPORT

Prepared For:

UTICA ALLOYS, INC.
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Section 1

UTICA ALLOYS FACILITY
SUPPLEMENTAL INVESTIGATION REPORT

1.0 INTRODUCTION

On May 3, 1995, William F. Cosulich Associates, P.C. (WFC) entered into a contract with Utica Alloys, Inc. to perform a Supplemental Investigation at the Utica Alloys Facility on Leland Avenue in Utica, New York. WFC subsequently prepared a Work Plan for the Supplemental Investigation which was incorporated into a Consent Order agreed to by the New York State Department of Environmental Conservation (NYSDEC) and Utica Alloys (Index No. A6-0326-95-03) on September 27, 1995. Field work associated with the Supplemental Investigation Work Plan was conducted between November 1 and 7, 1995. This report contains the results and conclusions of that Investigation.

1.1 Purpose

The purpose of this report is to provide the results and conclusions of the Supplemental Investigation conducted at the Utica Alloys Facility. This report is presented in compliance with the Consent Order signed by Utica Alloys and the NYSDEC. The report addresses and evaluates contaminated areas on Utica Alloys property, and provides recommendation for remediation and additional investigation to define the extent of contamination.

1.2 Site Background

Utica Alloys facility operations involve the recycling of nickel-cobalt metal turnings that have been generated off-site by machining operations used in the production of aerospace parts and equipment. Utica Alloys processes the alloys received in two separate operations. The operations include metal turnings processing and solids processing. The Utica Alloys property is listed as a Class 2 site on the New York State Registry of Inactive Hazardous Waste Disposal Sites, and has been assigned Registry Number 633009.

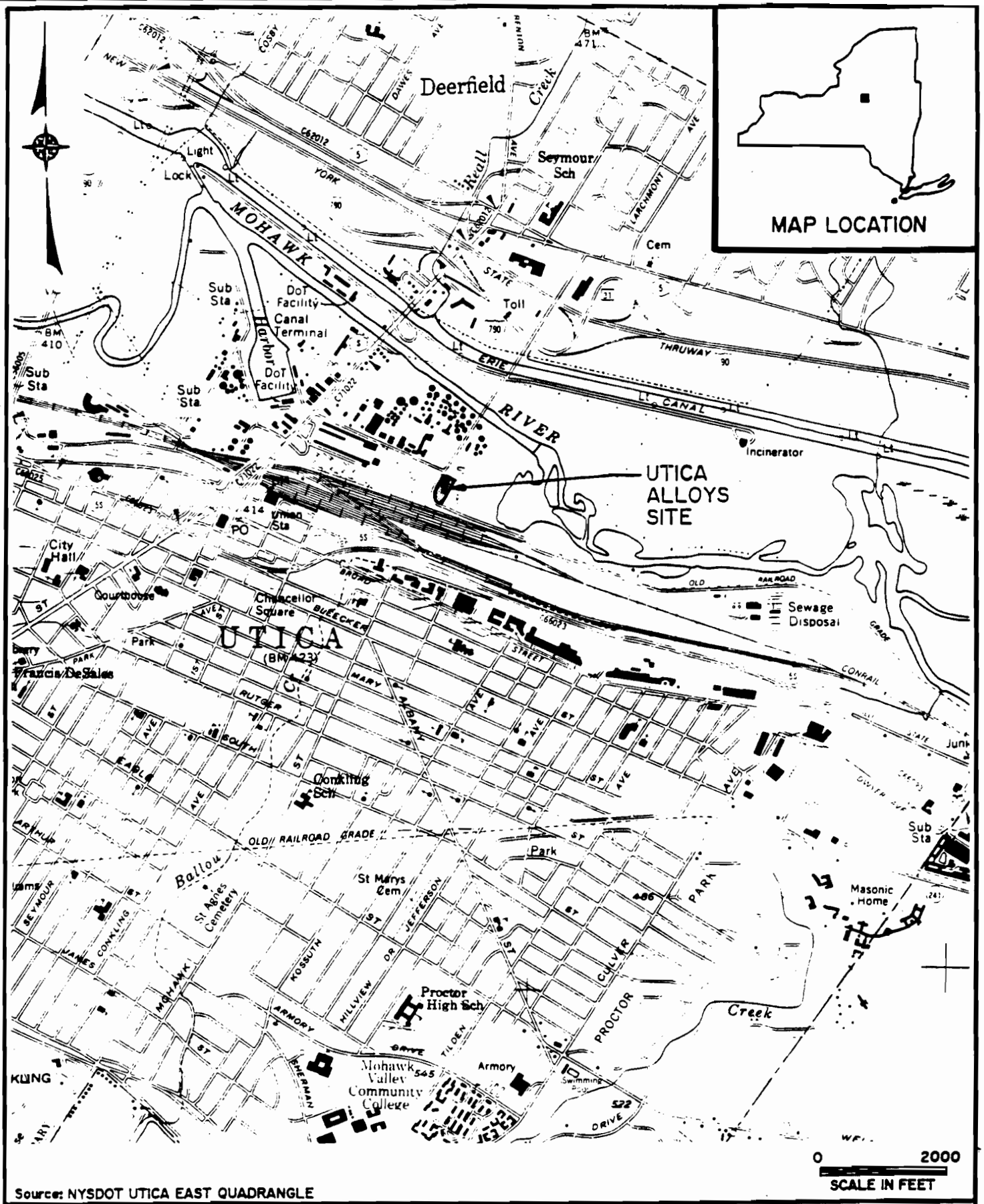
1.2.1 Site Location

The Utica Alloys facility is located in an industrial section of Utica, New York. The site is located in the Mohawk River flood plain and is adjacent to the Erie Canal (see Figure 1-1). The site is located at the intersection of Wurz Avenue and Leland Avenue. The property is approximately 1.5 acres in size, and consists largely of buildings and storage areas associated with facility operations. The site is bounded to the north and east by property leased by Universal Waste, Inc., and to the south and west by Leland Avenue. Immediately south of Leland Avenue is a large railroad yard. Figure 1-2 depicts the Utica Alloys property and identifies various buildings on the property.

1.2.2 Previous Investigations

Previous investigations conducted at the Utica Alloys site are included in a report entitled "Revised Report of the Waste Management Study at Utica Alloys, Inc." by Clayton Environmental Consultants, March 21, 1994; and two reports by Northeastern Environmental Technologies regarding tank closures and subsequent sampling. Results of laboratory analyses performed on soil, sediment, and groundwater samples listed in these reports were reviewed and considered in planning the Supplemental Investigation. The results of these reports indicate that soil contamination from trichloroethene (TCE) is present on-site.

Previous investigations have also reported elevated levels of TCE and polychlorinated biphenyls (PCBs) in a municipally owned and operated sewer line located immediately west and upgradient of the site. This sewer line receives stormwater runoff from multiple industrial facilities in the vicinity of the Utica Alloys property. Periodic overflows of the sewer line have resulted in wastewater accumulating on the Utica Alloys site. These sewer overflows may



Source: NYSDOT UTICA EAST QUADRANGLE

UTICA ALLOYS, INCORPORATED
UTICA, NEW YORK

SITE LOCATION MAP

WILLIAM F. COSULICH ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

FIGURE 1-1

FORMER LOCATION OF 4000 GALLON NO. 2 FUEL OIL UNDERGROUND STORAGE TANK

WURZ AVENUE

MAIN GATE

TRUCK SCALE

OFFICE

OFFICE

UTICA ALLOYS BUILDING

WAREHOUSE AND MANUFACTURING

FORMER ABOVEGROUND STORAGE TANK AREA

LELAND AVENUE

GARAGE DOOR

LOADING DOCK

TURNINGS PILE FOR PROCESSING

BOTTLED GAS ENCLOSURE

CRANE

EMPTY DRUMS STORAGE AREA

TURNING DRUM STORAGE AREA

CONCRETE SLAB

LELAND AVENUE

LEGEND:

PROPERTY LINE

0 35 70

APPROXIMATE SCALE IN FEET

DIRECTORY: 1194 FILE NAME: 1194-S1 RDS-02/09/96

UTICA ALLOYS, INC.
SUPPLEMENTAL INVESTIGATION

SITE LAYOUT

William F. Cosulich Associates, P.C.
Environmental Engineers and Scientists

FIGURE 1-2

contribute to soil contamination at the site. Low levels of TCE and PCBs have also been previously detected in groundwater in an upgradient monitoring well located on the site.

As part of the Consent Order, and in conjunction with this Supplemental Investigation, the NYSDEC has conducted an investigation of underground utilities located adjacent to the Utica Alloys site. Results of the NYSDEC investigation were not available at the time of preparation of this report, however, further action at the Utica Alloys facility will include review of these results.

Section 2

2.0 SITE INVESTIGATION METHODS

The Supplemental Investigation was conducted at the Utica Alloys facility between November 1 and 7, 1995, and consisted of groundwater sampling, soil sampling, sediment sampling, and an underground utility survey. Groundwater sampling was conducted at six locations surrounding the facility building. Soil sampling concentrated on four areas outside of the building which are associated with various aspects of storage and production at the Utica Alloys facility. Sediment samples were obtained from sumps located inside and outside of the facility, and the underground utility survey was conducted in an attempt to identify the connection of underground utilities with municipally operated off-site waste water utilities. Daily Field Activity Reports regarding specific activities conducted on-site during the Supplemental Investigation are contained in Appendix A.

2.1 Site Layout

The Utica Alloys site consists of one large building with multiple levels and multiple additions. The building is surrounded on two sides by a chain link fence which controls access from Wurz Avenue and Leland Avenue, and is bounded on the north by a truck scale, and on the east by a dirt road which separates the facility from scrap metal stockpiles on property occupied by Universal Waste, Inc. to the east.

The site is flat-lying and unpaved with the exception of the building and a concrete pad located at the southern end of the building. Access roads and storage areas are covered with crushed stone or soil. Storm drainage is poor and the site becomes wet and muddy with large areas of ponded water after heavy rains. Vehicular access on the site is restricted by the locations of temporarily stored bales of turnings, drums, stockpiles of metal materials, and loading and unloading trucks. During the Supplemental Investigation, the collection of many samples had to be coordinated with truck loading and unloading, and movement of temporarily stored materials.

2.2 Groundwater Sampling

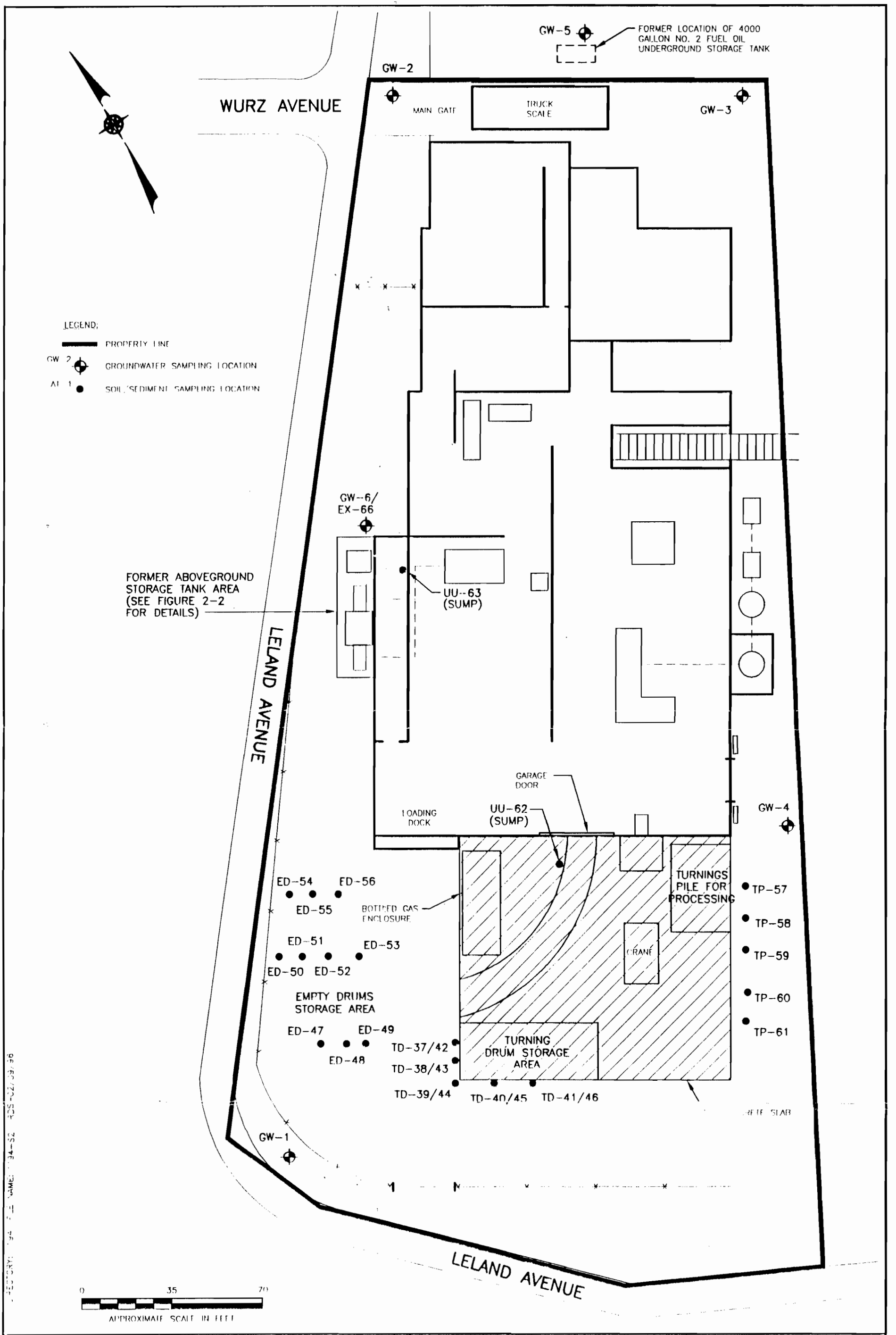
Groundwater samples were collected using a direct push method involving the advancement of a borehole using a hydraulic hammer mounted on a small truck mounted drill rig. Split spoon samples were collected from two of the borings in order to determine the depth of saturation. These borings included GW-2 and GW-3. The remaining borings (GW-1, GW-4, GW-5 and GW-6), were advanced without split spoon sampling. Due to slow recovery of groundwater into boreholes GW-1, GW-4, GW-5 and GW-6, PVC well screens were installed and allowed to stand for several hours, or overnight, in order to ensure adequate water quantities for sampling. Boreholes GW-2 and GW-3 provided adequate groundwater to allow sampling through the open hole.

Groundwater samples were collected by lowering a bailer into the PVC well screens, or open boreholes, and removing groundwater. No attempt was made to develop or purge groundwater before sampling. The open hole borings were backfilled with bentonite pellets and abandoned. Boreholes containing PVC well screens were abandoned by removing the PVC and backfilling the hole with bentonite. Details regarding the depths of borings and specifications of screens are provided in Appendix B.

A total of five groundwater samples were collected and analyzed for volatile organic compounds. The locations of groundwater samples are presented on Figure 2-1. One groundwater sample from GW-2 was collected for total petroleum hydrocarbons (TPH) as requested by NYSDEC.

2.3 Soil Sampling

A series of surface and subsurface soil samples were obtained from several locations across the site. Soil samples were collected using decontaminated split spoon samplers mounted on a drill rig. Surface soil samples were obtained by driving a split spoon from ground surface to 1.5 feet deep and collecting soil from the upper six inches of the split spoon. If stained soil or



UTICA ALLOYS, INC.
SUPPLEMENTAL INVESTIGATION

SITE SAMPLING LOCATIONS

William F. Cosulich Associates, P.C.
Environmental Engineers and Scientists

FIGURE 2-1

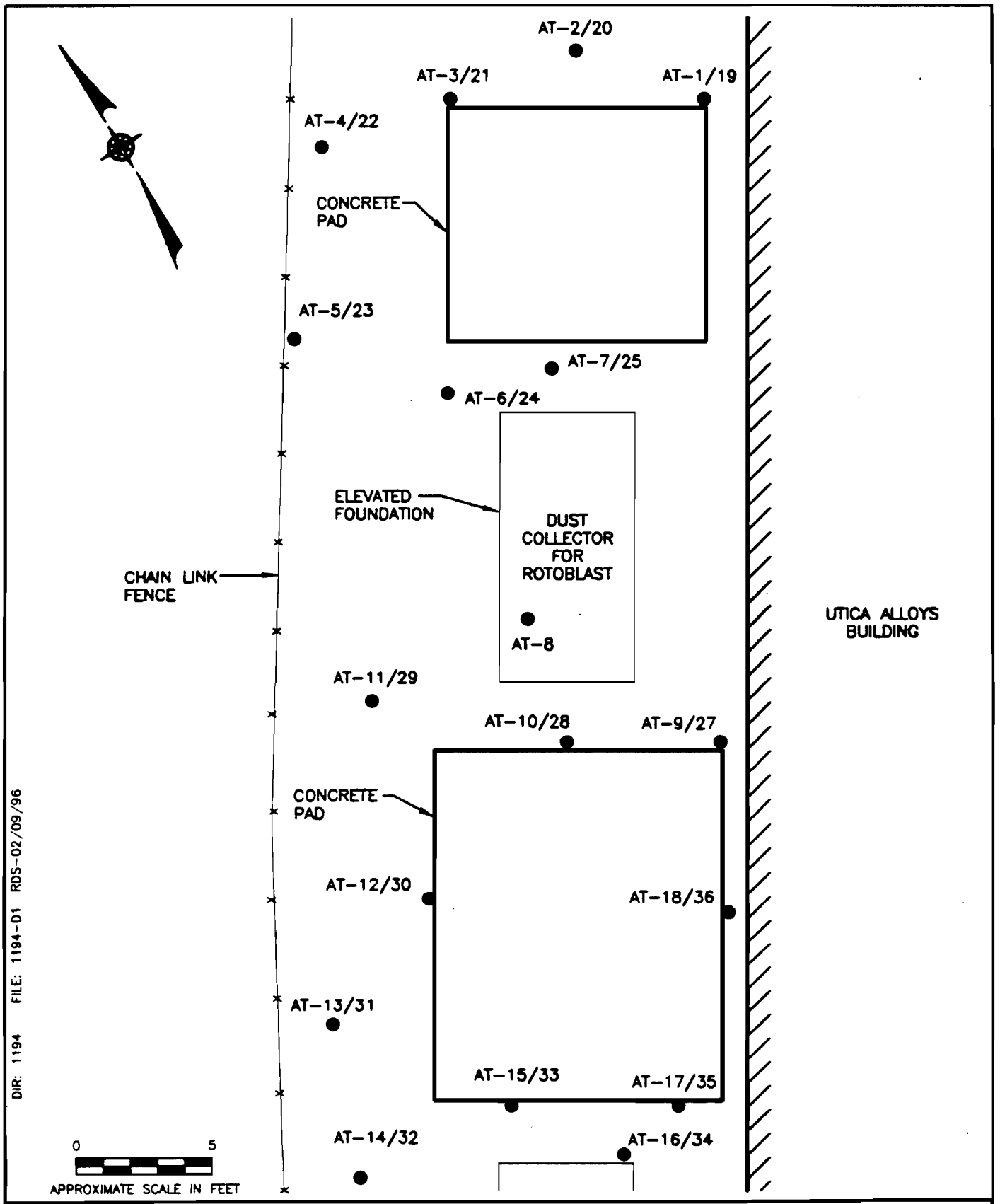
relatively high PID measurements were observed in the lower portion of the split spoon, then soil from that location was collected. Subsurface soil samples were collected in a similar fashion from depths of 1.5 to 3 feet from the same borehole as the surface soil samples. Soil samples from each sampling interval were collected and stored in a laboratory volatile organic analysis jar. The jars were screened with a photoionization detector (PID) and concentrations were recorded. Sample jars exhibiting the highest PID measurements were later selected for laboratory analyses. All samples were collected, placed in jars and preserved on ice immediately following sample collection, and delivered to the laboratory within 48 hours. The resulting split spoon holes were filled with leftover soil from the spoons, bentonite pellets, or soil adjacent to the holes.

2.3.1 Former Above Ground Storage Tank Area

The former Above Ground Storage Tank Area is located on the western edge of the site, between the Utica Alloys building and Leland Avenue (see Figure 2-1). The area consists of two concrete pads that reportedly served as foundations for a 4,000 gallon above ground TCE bottoms tank and a 2,000 gallon above ground virgin TCE tank. The tanks and any associated piping and support structures have been removed.

A total of 18 boreholes were advanced in the area of the former Above Ground storage tank. Nine borings were located around each of the two pads. The boring locations are presented on Figure 2-2. One surface soil sample and one subsurface soil sample were collected at each borehole. Surface samples were labeled with identification numbers 1 through 18, and subsurface samples were labeled 19 through 36.

Of the 36 soil samples collected, a total of 10 samples exhibiting the highest concentrations of total ionizables present (i.e., highest PID measurements) were chosen for laboratory analyses. Ten samples were also collected for PCB analyses, based upon visual staining and sample depth.



UTICA ALLOYS, INC.
SUPPLEMENTAL INVESTIGATION

FORMER ABOVEGROUND STORAGE TANK AREA SAMPLING DETAIL

William F. Cosulich Associates, P.C.
Environmental Engineers

FIGURE 2-2

The Supplemental Investigation Work Plan was altered as a result of preliminary screening during soil sampling at this area. Anomalously high measurements of total ionizables observed, as well as odors, prompted a request by a NYSDEC observer to collect an additional groundwater sample not specified in the Work Plan. Groundwater sample GW-6 was collected from the Above Ground Storage Tank Area near AT-2. An additional subsurface soil sample (EX-66) was also collected and analyzed.

2.3.2 Turnings Drum Storage Area

The Turnings Drum Storage Area is located south of the Utica Alloys building on a concrete pad near a loading dock. The Turnings Drum Storage Area contains 55 gallon drums, typically open, and containing various sizes and types of metal turnings and other scrap metal pieces. The concrete pad slopes to a sump in the interior of the pad designed to collect runoff. Soil samples were collected from areas adjacent to the concrete pad. Soil sample locations are shown in Figure 2-1. Several drums and large scrap metal parts were moved in order to gain access to soil adjacent to the concrete pad.

Soil samples were collected from five locations adjacent to the turnings drum storage area. Sample locations were chosen because of their proximity to stockpiles of unprocessed material on the edge of the turnings drum storage area, and as mentioned above, locations most likely to receive runoff from the slab. No samples were collected between the loading dock and TD-37 due to the presence of an unloading tractor trailer and the absence of temporarily stored drums. This area is surrounded by an enclosure of steel I-beams that protect an area for storage of compressed gas containers.

Five surface soil samples (0 to 1.5 feet below ground surface) and five subsurface soil samples (1.5 to 3 feet below ground surface) were collected adjacent to the turnings drum storage area. Three of these examples exhibiting the highest PID measurements were chosen for laboratory analyses for volatile organic compounds. Additionally, three samples were selected for PCB analyses based upon depth and staining.

2.3.3 Empty Drum Storage Area

The Empty Drum Storage Area is located in the southwestern portion of the site between the loading dock and Leland Avenue (see Figure 2-1). The Empty Drum Storage Area consists of empty 55 gallon drums stored on wooden pallets, and bails of metal turnings bound in fabric and stored on pallets. Pallets of drums and bails are frequently moved, based upon outgoing shipping schedules at the facility. The appearance and access to this area changes on a daily basis.

The locations of soil samples at the empty drum storage area were limited by the presence of stockpiled bails of metal turnings and drums. Bails of metal turnings were temporarily moved by Utica Alloys employees in order to facilitate sampling in this area. Ten surface soil samples were collected. The samples were screened with a PID, and the three samples exhibiting the highest PID measurements were selected for laboratory analyses.

2.3.4 Turnings Pile Area

The turnings pile area is located at the southeast corner of the building on a concrete pad (Figure 2-1). Metal turnings are dumped from large dump trucks onto the concrete slab. A clamshell crane moves the bulk turnings to a shear mill hopper located approximately 15 feet Above Ground. The turnings are then processed inside the building. The turnings are exposed to precipitation, and runoff is directed to a sump on the concrete pad. Five soil samples were collected adjacent to the pad and two were selected for laboratory analyses. All samples were collected between 0 and 1.5 feet below ground surface. A total of five surface soil samples were collected, and the two samples exhibiting the highest PID measurements were selected for laboratory analysis for volatile organic compounds.

2.4 Underground Utility Survey

A survey was performed inside the Utica Alloys facility to identify the locations of known underground utilities. The survey involved locating and removing manhole covers and following soil pipes, vent pipes and sumps to outside locations throughout the facility. Attempts were made to determine where the facility utilities connected into municipal utilities.

After investigating various sumps, both outside and inside of the building, two sediment samples were collected from the two sumps considered to be most likely to contain contaminants. One sediment sample (UU-62) was collected from a sump located outside the facility in the concrete pad that drains runoff from the turnings pile and turnings drum storage area (see Figure 2-1). Surface water runoff from the concrete pad was observed flowing into this sump during the site visit. Surface water from this sump is pumped inside the building and then discharged beneath the building floor to the municipal sewer along Leland Avenue, which conveys the water to the municipal wastewater treatment plant.

A second sediment sample (UU-63) was collected from a sump located adjacent to a vapor degreaser at the west side of the building (see Figure 2-1). Sediment located in the vapor degreaser consisted of metal shavings and rust particles. Water discharging into the sump consisted of steam boil over from the vapor degreaser. This water is also discharged to the municipal wastewater collection and treatment system.

Section 3

3.0 PHYSICAL CHARACTERISTICS OF STUDY AREA

The Utica Alloys site is located in the Mohawk-Black River Lowland physiographic province of New York State. The site is located adjacent to the existing channel of the Mohawk River and is located in its floodplain. Bedrock beneath the site is the Utica Shale and is Middle to Upper Ordovician in age. Unconsolidated deposits underlying the site consist of recent alluvium, including fine sand, sand and gravel overlain by silt.

3.1 Surface Features

The site is located on the Mohawk River floodplain and is relatively flat lying. Over 50 percent of the site is covered by the Utica Alloys building. The remaining portion of the site is open space used for vehicle traffic and temporary storage of Utica Alloys products. The Mohawk River flows east by the Utica Alloys site, at a location approximately 1,100 feet north of the site. The Mohawk River flows through a dam northeast of the site, and a large meander is located approximately 800 feet east of the site. The site is susceptible to flooding by runoff from higher elevations and overflowing storm sewers. The site is relatively poorly drained, and surface water drainage is generally to the northeast.

3.2 Site Geology

The site is underlain by fill. Historical maps of the Utica area indicate that the channel of the Mohawk River flowed directly beneath the site in 1900. By 1945, the Mohawk River Channel was rerouted and the area of the site was above river level. Aerial photographs indicate that portions of the site may have been filled between 1938 and the present. The depth to groundwater at the site is shallow (less than 10 feet), and groundwater flow is presumed to be generally northeast toward the Mohawk River. Bedrock has not been encountered during investigations at the site.

Section 4

4.0 RESULTS

The results of the collection of soil, sediment and groundwater samples, and their subsequent laboratory analyses are discussed below. Each sampling medium is discussed separately, and in the case of soil samples, the results are presented according to the area in which the samples were collected. The results of each chemical analysis is compared with the applicable standards, criteria and guidelines to provide an indication of the significance of contamination.

4.1 Identification of Standards, Criteria and Guidelines

All analyzed results reported for samples collected at the Utica Alloys site are compared with the applicable standards, criteria or guidelines (SCGs) set forth by the NYSDEC for protection of human health and the environment. Samples collected as part of this Supplemental Investigation were from three media types and include soil, sediment and groundwater. Groundwater sampling results are compared to NYSDEC Class GA Groundwater Standards. Soil and sediment results are compared to screening level concentrations listed in the NYSDEC Technical Administrative Guidance Memorandum entitled "Determination of Soil Cleanup Objectives and Cleanup Levels" (January 1994).

Analyses of samples that exceed the applicable SCGs are shaded on the tables in order to identify potential contaminants of concern. Exceedance of the SCGs does not necessarily mean that remediation is necessary or required.

The following sections provide the analytical results of the Supplemental Investigation. The results include a discussion of observations made during sample collection and a report of the laboratory results.

4.2 Groundwater Sampling

Groundwater samples collected from locations GW-1, GW-2, GW-3, GW-4 and GW-6 were analyzed for Target Compound List (TCL) +10 volatile organic compounds. The results of these analyses are presented in Table 4-1. Groundwater from location GW-6 located on the eastern side of the Utica Alloys building near Leland Avenue, immediately adjacent to the concrete pads for the former above ground TCE storage tanks, contained five volatile organic compounds in exceedance of the NYSDEC Class GA Standards. Groundwater sampled from GW-6 contained vinyl chloride (770 µg/l); trichloroethene (17,000 µg/l); chloroform (100 µg/l); 1-1dichloroethene (35 µg/l); and trans-1-2dichloroethene (18 µg/l). Chloroform may be a laboratory contaminant. The concentrations of these five contaminants are the highest found in groundwater at the site during the Supplemental Investigation.

Groundwater samples from GW-2 contain four of the five contaminants found in GW-6, which exceeded groundwater standards, including vinyl chloride (210 µg/l); trichloroethene (200 µg/l); 1-1dichloroethene (5.1 µg/l); and trans-1-2dichloroethene (7.2 µg/l). Methylene chloride was also detected in GW-2, but was also found in the field blank and trip blank and is considered to be a laboratory contaminant. GW-2 is located at the corner of Leland and Wurz Avenues approximately 300 feet northeast of GW-6 (see Figure 2-1). Based on reported groundwater flow in the northeast direction in the vicinity of the site, GW-2 may be downgradient of GW-6. Groundwater sampling location GW-1 is also located adjacent to Leland Avenue near the southwest corner of the property, and approximately 400 feet southwest of GW-2. Groundwater from GW-1 contains trichloroethene (88 µg/l) which exceeds groundwater standards. No other volatile organic compounds were detected in GW-1. Based on reported groundwater flow direction, GW-1 is an upgradient well.

TABLE 4-1
UTICA ALLOYS, INC.
SUPPLEMENTAL INVESTIGATION
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	UAGW01	UAGW02	UAGW03	UAGW04	UAGW05	UAGW06	UATDFB	TRPBLK	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	11/03/95	11/03/95	11/03/95	11/03/95	11/3/95	11/03/95	11/3/95	11/3/95		
DILLUTION FACTOR	1.00	1.00	1.00	1.00	1.00	20.00	1	1		
VOLATILE COMPOUNDS/CAS#	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	(ug/l)	(ug/l)
Chloromethane/74-87-3	U	U	U	U	NA	U	U	U	1	5 ST
Bromomethane/74-83-9	U	U	U	U	NA	U	U	U	1	5 ST
Vinyl Chloride/75-01-4	U	210.0	130.0	U	NA	770.0	U	U	1	2 ST
Chloroethane/75-00-3	U	U	U	U	NA	U	U	U	1	5 ST
Methylene Chloride/75-09-2	U	1.8 B	2.4 B	1.2 B	NA	U	6.4 B	6.7 B	1	5 ST
1,1-Dichloroethene/75-35-4	U	6.1	0.9 J	U	NA	36.0	U	U	1	5 ST
1,1-Dichloroethane/75-34-3	U	U	U	U	NA	U	U	U	1	5 ST
Trans-1,2-Dichloroethene/156-60-5	U	7.2	U	U	NA	15.0 J	U	U	1	
Chloroform/67-66-3	U	U	U	U	NA	100.0	U	U	1	7 ST
1,2-Dichloroethane/107-06-2	U	U	U	U	NA	U	U	U	1	5 ST
1,1,1-Trichloroethane/71-55-6	U	U	U	U	NA	U	U	U	1	5 ST
Carbon Tetrachloride/56-23-5	U	U	U	U	NA	U	U	U	1	5 ST
Bromodichloromethane/75-27-4	U	U	U	U	NA	U	U	U	1	50 GV
1,2-Dichloropropane/78-87-5	U	U	U	U	NA	U	U	U	1	5 ST
cis-1,3-Dichloropropene/10061-01-5	U	U	U	U	NA	U	U	U	1	5 ST
Trichloroethene/79-01-6	88.0	200.0	U	U	NA	17000.0 D	U	U	1	5 ST
Dibromochloromethane/124-48-1	U	U	U	U	NA	U	U	U	1	50 GV
1,1,2-Trichloroethane/79-005	U	U	U	U	NA	U	U	U	1	5 ST
Trans-1,3-Dichloropropene/10061-02-6	U	U	U	U	NA	U	U	U	1	5 ST
Tetrachloroethene/127-18-4	U	U	U	U	NA	U	U	U	1	5 ST
1,1,2,2-Tetrachloroethane/79-34-5	U	U	U	U	NA	U	U	U	1	5 ST
Chlorobenzene/108-90-7	U	U	U	U	U	U	U	U	1	5 ST
Dichlorodifluoromethane/75-71-8	U	U	U	U	NA	U	U	U	1	5 ST
Trichloromonofluoromethane/75-69-4	U	U	U	U	NA	U	U	U	1	5 ST
1,2-Dichlorobenzene/95-50-1	U	U	U	U	U	U	U	U	1	4.7 ST**
1,3-Dichlorobenzene/541-73-1	U	U	U	U	U	U	U	U	1	5 ST
1,4-Dichlorobenzene/106-46-7	U	U	U	U	U	U	U	U	1	4.7 ST**
Bromoform/74-25-2	U	U	U	U	NA	U	U	U	1	5 ST
Benzene/71-43-2	NA	NA	NA	NA	6.8	NA	NA	NA	1	0.7 ST
Toluene/108-88-3	NA	NA	NA	NA	5.2	NA	NA	NA	1	5 ST
Ethylbenzene/100-41-4	NA	NA	NA	NA	U	NA	NA	NA	1	5 ST
Xylene (total)/1330-20-7	NA	NA	NA	NA	160.0	NA	NA	NA	1	5 ST
TOTAL VOCs	88.0	424.1	133.2	1.2	172.0	17923.0	6.4	6.7		

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
D: Result obtained from secondary dilution analysis at 1:500 dilution
J: Compound found at a concentration below the detection limit, value estimated
NA: Not Analyzed for

NOTES
GV: Guidance Value
ST: Standard
[shaded]: Value exceeds standard/guideline
—: Not established

Groundwater sampled from the northeast corner of the site was collected at GW-3. The groundwater sample contained vinyl chloride (130 µg/l) at concentrations exceeding groundwater standards. Methylene chloride (2 µg/l) and 1-1dichloroethene (0.8 µg/l), also detected in the sample, are below groundwater standards.

GW-4 is located on the eastern portion of the site and contains no volatile compounds with concentrations above groundwater standards. Methylene chloride (1.2 µg/l) was the only volatile organic compound detected in groundwater from this location. As mentioned previously, methylene chloride is considered a laboratory contaminant for this groundwater sample, as well as GW-3, since it was also detected in the field and trip blanks.

Groundwater from GW-5, which was located adjacent to an area formerly occupied by an underground storage tank, was sampled for volatile aromatic hydrocarbons only as requested by NYSDEC. Three compounds were detected above groundwater standards, including benzene (6.8 µg/l); toluene (6.2 µg/l); and xylene (160 µg/l).

4.3 Soil Sampling Results

Soil samples were collected from numerous borings concentrating on four areas of the Utica Alloys facility. These four areas include:

1. The former location of an Above Ground Storage Tank located adjacent to two concrete pads on the western edge of the building.
2. The Turnings Drum Storage Area located south of the loading dock at the southwest corner of the building.
3. The Empty Drum Storage Area located on the southwest portion of the property.
4. The Turnings Pile Area located at the southeast corner of the building.

The following sections describe in detail the results of soil sampling at each of the four locations. Samples selected for laboratory analyses were determined in the field by screening with a photoionization detector and visual observations for staining or discoloration. In general, samples analyzed for PCBs were chosen from near surface sampling locations. Samples analyzed for volatile organic compounds were taken from near surface (0 to 1.5 feet below ground surface) and deep samples (1.5 to 3 feet below ground surface).

4.3.1 Former Above Ground Storage Tank Area

A total of 19 borings were conducted at this location. Eighteen of the borings were associated with the Above Ground Storage Tank Area and one was associated with groundwater sampling point GW-6. Two soil samples were collected from each boring location, including one surface sample (0 to 1.5 feet deep), and one subsurface soil sample (1.5 to 3.0 feet deep), for a total of 36 soil samples. A total of 11 samples were selected for laboratory analyses, including five surface soil samples and six subsurface soil samples. Results of the laboratory analyses are presented in Tables 4-2 and 4-3. Trichloroethene was detected in all 11 samples. Nine of the 11 soil samples exceeded screening levels for trichloroethene. Trichloroethene concentrations from the five samples collected near the surface ranged from 23 µg/kg to 24,000 µg/kg. TCE concentrations for the five subsurface samples located near the Above Ground Storage Tank ranged from 190,000 µg/kg to 1,600,000 µg/kg. Methylene chloride was also detected in six of the soil samples (3.2 to 91 µg/kg), but is considered a laboratory contaminant and, therefore, not a contaminant of concern.

Tetrachloroethene was detected in four soil samples in concentrations below screening levels. Tetrachloroethene was found in AT-2 (1 µg/kg); AT-12 (4.2 µg/kg); AT-19 (4.2 µg/kg); and AT-30 (310 µg/kg).

TABLE 4-2
UTICA ALLOYS, INC.
SUPPLEMENTAL INVESTIGATION
SURFACE SOIL SAMPLING RESULTS - ABOVE GROUND TANK AREA
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID**	AT02	AT08	AT12	AT13	EX66	METHOD	NYSDEC
DATE OF COLLECTION	11/3/95	11/3/95	11/3/95	11/3/95	11/3/95	DETECTION	RECOMMENDED
SAMPLE DEPTH	0-1.5 FT	0-1.5 FT	0-1.5 FT	0-1.5 FT	0-1.5 FT	LIMIT	SOIL CLEANUP
PERCENT SOLIDS	82	82	87	88	79		OBJECTIVES*
DILUTION FACTOR	1	1	1	1	125		
VOLATILE COMPOUNDS/CAS#	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane/74-87-3	U	U	U	U	U	1	----
Bromomethane/74-83-9	U	U	U	U	U	1	----
Vinyl Chloride/75-01-4	U	U	U	U	920	1	200
Chloroethane/75-00-3	U	U	U	U	U	1	1900
Methylene Chloride/75-09-2	29 B	23 B	3.2 B	48 B	450	1	100
1,1-Dichloroethene/75-35-4	U	U	U	U	U	1	400
1,1-Dichloroethane/75-34-3	U	U	U	U	U	1	200
Trans-1,2-Dichloroethene/156-60-5	U	U	U	U	570	1	300
Chloroform/67-66-3	U	U	U	U	U	1	300
1,2-Dichloroethane/107-06-2	U	U	U	U	U	1	100
1,1,1-Trichloroethane/71-55-6	U	U	U	U	U	1	800
Carbon Tetrachloride/56-23-5	U	U	U	U	U	1	600
Bromodichloromethane/75-27-4	U	U	U	U	U	1	----
1,2-Dichloropropane/78-87-5	U	U	U	U	U	1	----
cis-1,3-Dichloropropene/10061-01-5	U	U	U	U	U	1	----
Trichloroethene/79-01-6	12000 D*	23	22000 D*	24000 D*	440	1	700
Dibromochloromethane/124-48-1	U	U	U	U	U	1	----
1,1,2-Trichloroethane/79-005	U	U	U	U	U	1	----
Trans-1,3-Dichloropropene/10061-02-6	U	U	U	U	U	1	----
Tetrachloroethene/127-18-4	1 J	U	4.2	U	U	1	1400
1,1,2,2-Tetrachloroethane/79-34-5	U	U	U	U	U	1	600
Chlorobenzene/108-90-7	U	U	U	U	U	1	1700
Dichlorodifluoromethane/75-71-8	U	U	U	U	U	1	----
Trichloromonofluoromethane/75-69-4	U	U	U	U	U	1	----
1,2-Dichlorobenzene/95-50-1	U	U	U	U	U	1	7900
1,3-Dichlorobenzene/541-73-1	U	U	U	U	U	1	1600
1,4-Dichlorobenzene/106-46-7	U	U	U	U	U	1	8500
Bromoform/74-25-2	U	U	U	U	U	1	----
TOTAL VOCs	12030	46	22007.4	24048	2380		10000

QUALIFIERS
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit, value estimated
D*:Result obtained from secondary dilution analysis 1:125 dilution (med level)

NOTES
----: Not established
*: Total VOCs not to exceed 10000 ug/kg
**: Sample ID listed with prefix "UA-" in laboratory results
: Value exceeds recommended cleanup obje

TABLE 4-3

UTICA ALLOYS, INC.

SUPPLEMENTAL INVESTIGATION

SUBSURFACE SOIL SAMPLING RESULTS - ABOVE GROUND TANK AREA

VOLATILE ORGANIC COMPOUNDS

SAMPLE ID**	AT19	AT22	AT28	AT29	AT30	AT31		
DATE OF COLLECTION	11/3/95	11/3/95	11/3/95	11/3/95	11/3/95	11/3/95	METHOD	NYSDEC
SAMPLE DEPTH	1.5 -3 FT	1.5 -3 FT	1.5 -3 FT	1.5 -3 FT	1.5 -3 FT	1.5 -3 FT	DETECTION	RECOMMENDED
PERCENT SOLIDS	72	72	87	78	83	81	LIMIT	SOIL CLEANUP
DILLUTION FACTOR	1	1	6250	6250	125	125		OBJECTIVES*
VOLATILE COMPOUNDS/CAS#	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane/74-87-3	U	U	U	U	U	U	1	----
Bromomethane/74-83-9	U	U	U	U	U	U	1	----
Vinyl Chloride/75-01-4	U	5.9	U	U	U	U	1	200
Chloroethane/75-00-3	U	U	U	U	U	U	1	1900
Methylene Chloride/75-09-2	45 B	91 B	U	U	U	U	1	100
1,1-Dichloroethene/75-35-4	U	9.8	U	U	U	U	1	400
1,1-Dichloroethane/75-34-3	U	U	U	U	U	U	1	200
Trans-1,2-Dichloroethene/156-60-5	U	30	U	U	U	U	1	300
Chloroform/67-66-3	U	U	U	U	U	U	1	300
1,2-Dichloroethane/107-06-2	U	U	U	U	U	U	1	100
1,1,1-Trichloroethane/71-55-6	U	U	U	U	U	U	1	800
Carbon Tetrachloride/56-23-5	U	U	U	U	U	U	1	600
Bromodichloromethane/75-27-4	U	U	U	U	U	U	1	----
1,2-Dichloropropane/78-87-5	U	U	U	U	U	U	1	----
cis-1,3-Dichloropropene/10061-01-5	U	U	U	U	U	U	1	----
Trichloroethene/79-01-6	1400000 D**	550000	190000	1600000	760000 D**	450000 D**	1	700
Dibromochloromethane/124-48-1	U	U	U	U	U	U	1	----
1,1,2-Trichloroethane/79-005	U	U	U	U	U	U	1	----
Trans-1,3-Dichloropropene/10061-02-6	U	U	U	U	U	U	1	----
Tetrachloroethene/127-18-4	4.2	U	U	U	310	U	1	1400
1,1,2,2-Tetrachloroethane/79-34-5	U	U	U	U	U	U	1	600
Chlorobenzene/108-90-7	U	U	U	U	U	U	1	1700
Dichlorodifluoromethane/75-71-8	U	U	U	U	U	U	1	----
Trichloromonofluoromethane/75-69-4	U	U	U	U	U	U	1	----
1,2-Dichlorobenzene/95-50-1	U	U	U	U	U	U	1	7900
1,3-Dichlorobenzene/541-73-1	U	U	U	U	U	U	1	1600
1,4-Dichlorobenzene/106-46-7	U	U	U	U	U	U	1	8500
Bromoform/74-25-2	U	U	U	U	U	U	1	----
TOTAL VOCs	1400049	550136.7	190000	1600000	760310	450000		10000

QUALIFIERS

B: Compound found in the method blank as well as the sample

U: Compound analyzed for but not detected

J: Compound found at a concentration below the detection limit, value estimated

D**: Result obtained from secondary dilution analysis 1:6250 dilution (med level)

NOTES

----: Not established

*: Total VOCs not to exceed 10000 ug/kg

**: Sample ID listed with prefix "UA-" in laboratory results

: Value exceeds recommended cleanup objective

Sample EX-66 from boring GW-6 also contained four volatile organic compounds, however, TCE was noticeably absent. Vinyl chloride (920 µg/kg); methylene chloride (450 µg/kg); and trans-1,2-dichloroethene (570 µg/kg) were detected at concentrations above screening levels. Tetrachloroethene (440µg/kg) was also detected, but below screening levels.

PCB analyses were performed on 10 surface soil samples from this area. Results of the PCB analyses are listed in Table 4-4. Aroclor 1254 was detected in nine of the 10 samples. Three soil samples exceeded screening levels, these being AT-2 (33,000 µg/kg); AT-4 (1,100 µg/kg); and AT-13 (2,000 µg/kg).

Aroclor 1260 was found in sample AT-10 at 100 µg/kg, below the screening levels. No other PCB compounds were detected in soil samples at the Above Ground Storage Tank Area.

4.3.2 Turnings Drum Storage Area

Three of the soil samples collected from the Turnings Drum Storage Area were selected for laboratory analysis. The laboratory results for VOCs detected in the Turnings Drum Storage Area are presented in Table 4-5. Each of the soil samples was obtained from a depth of 1.5 to 3 feet. Soil sample TD-45 exhibited four volatile organic compounds in exceedance of screening levels. The four compounds include vinyl chloride (16,000 µg/kg); methylene chloride (420 µg/kg); trans-1,2-dichloroethene (8,700 µg/kg); and trichloroethene (6,200 µg/kg). One compound, 1,2-dichloroethene (340 µg/kg), was detected below screening levels. Soil from TD-42 contained two compounds in exceedance of screening levels, including trichloroethene (13,000 µg/kg); and vinyl chloride (850 µg/kg). The third soil sample from the Turnings Drum Storage Area contained only one volatile organic compound, which was trichloroethene (1,300 µg/kg) and above the screening level.

TABLE 4-4
UTICA ALLOYS. INC.
SUPPLEMENTAL INVESTIGATION
SOIL SAMPLING RESULTS - ABOVE GROUND TANK AREA
PCBs

SAMPLE IDENTIFICATION**	AT02	AT04	AT05	AT08	AT10	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES
DATE OF COLLECTION	11/07/95	11/07/95	11/07/95	11/07/95	11/07/95		
SAMPLE DEPTH	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft		
DILUTION FACTOR	1.00	1.00	1.00	1.00	1.00		
PERCENT SOLIDS	20	83	90	82	87		
PESTICIDE/PCBs	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Aroclor-1016	U	U	U	U	U	33.00	1000*
Aroclor-1221	U	U	U	U	U	67.00	1000*
Aroclor-1232	U	U	U	U	U	33.00	1000*
Aroclor-1242	U	U	U	U	U	33.00	1000*
Aroclor-1248	U	U	U	U	U	33.00	1000*
Aroclor-1254	33000	1100	810	160	U	33.00	1000*
Aroclor-1260	U	U	U	U	100	33.00	1000*
TOTAL PCBs	33000	1100	810	160	100		1000*

SAMPLE IDENTIFICATION**	AT11	AT12	AT13	AT14	AT16	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES
DATE OF COLLECTION	11/07/95	11/07/95	11/07/95	11/07/95	11/07/95		
SAMPLE DEPTH	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft		
DILUTION FACTOR	1.00	1.00	1.00	1.00	1.00		
PERCENT SOLIDS	95	87	88	89	14		
PESTICIDE/PCBs	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Aroclor-1016	U	U	U	U	U	33.00	1000*
Aroclor-1221	U	U	U	U	U	67.00	1000*
Aroclor-1232	U	U	U	U	U	33.00	1000*
Aroclor-1242	U	U	U	U	U	33.00	1000*
Aroclor-1248	U	U	U	U	U	33.00	1000*
Aroclor-1254	470	590	2000	930	770	33.00	1000*
Aroclor-1260	U	U	U	U	U	33.00	1000*
TOTAL PCBs	470	590	2000	930	770		1000*

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample

NOTES
*: Value is for total PCBs.
**: Sample ID in laboratory data package includes prefix "UA-"
: Value exceeds recommended cleanup objective

TO DETERMINE THE DETECTION LIMIT FOR EACH SAMPLE USE THE FOLLOWING EQUATION: (CRDL)*(DF)(100/ %S)

CRDL: CONTRACT REQUIRED DETECTION LIMIT
DF: DILUTION FACTOR
%S: PERCENT SOLIDS

TABLE 4-5

UTICA ALLOYS, INC.

SUPPLEMENTAL INVESTIGATION

SOIL SAMPLING RESULTS - TURNINGS DRUM AND TURNINGS PILE AREA

VOLATILE ORGANIC COMPOUNDS

SAMPLE ID**	TD42	TD43	TD45	TP57	TP59		
DATE OF COLLECTION	11/3/95	11/3/95	11/3/95	11/4/95	11/4/95	METHOD	NYSDEC
SAMPLE DEPTH	1.5 -3 FT	1.5 -3 FT	1.5 -3 FT	0-1.5 FT	0-1.5 FT	DETECTION	RECOMMENDED
PERCENT SOLIDS	74	75	81	89	89	LIMIT	SOIL CLEANUP
DILLUTION FACTOR	125	125	125	1	1		OBJECTIVES*
VOLATILE COMPOUNDS/CAS#	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane/74-87-3	U	U	U	U	U	1	----
Bromomethane/74-83-9	U	U	U	U	U	1	----
Vinyl Chloride/75-01-4	650	U	16000	6.2	10	1	200
Chloroethane/75-00-3	U	U	U	U	U	1	1900
Methylene Chloride/75-09-2	U	U	420	5.2 B	4.3 B	1	100
1,1-Dichloroethene/75-35-4	U	U	340	U	U	1	400
1,1-Dichloroethane/75-34-3	U	U	U	U	U	1	200
Trans-1,2-Dichloroethene/156-60-5	U	U	8700	0.7 J	U	1	300
Chloroform/67-66-3	U	U	U	U	U	1	300
1,2-Dichloroethane/107-06-2	U	U	U	U	U	1	100
1,1,1-Trichloroethane/71-55-6	U	U	U	U	U	1	800
Carbon Tetrachloride/56-23-5	U	U	U	U	U	1	600
Bromodichloromethane/75-27-4	U	U	U	U	U	1	----
1,2-Dichloropropane/78-87-5	U	U	U	U	U	1	----
cis-1,3-Dichloropropene/10061-01-5	U	U	U	U	U	1	----
Trichloroethene/79-01-6	13000	1300	6200	32	22	1	700
Dibromochloromethane/124-48-1	U	U	U	U	U	1	----
1,1,2-Trichloroethane/79-005	U	U	U	U	U	1	----
Trans-1,3-Dichloropropene/10061-02-6	U	U	U	U	U	1	----
Tetrachloroethene/127-18-4	U	U	U	U	U	1	1400
1,1,2,2-Tetrachloroethane/79-34-5	U	U	U	U	U	1	600
Chlorobenzene/108-90-7	U	U	U	U	U	1	1700
Dichlorodifluoromethane/75-71-8	U	U	U	U	U	1	----
Trichloromonofluoromethane/75-69-4	U	U	U	U	U	1	----
1,2-Dichlorobenzene/95-50-1	U	U	U	U	U	1	7900
1,3-Dichlorobenzene/541-73-1	U	U	U	U	U	1	1600
1,4-Dichlorobenzene/106-46-7	U	U	U	U	U	1	8500
Bromoform/74-25-2	U	U	U	U	U	1	----
TOTAL VOCs	13650	1300	31000	44.1	36.3		10000

QUALIFIERS

B Compound found in the method blank as well as the sample

U Compound analyzed for but not detected

J Compound found at a concentration below the detection limit, value estimated

NOTES

---- Not established

* Total VOCs not to exceed 10000 ug/kg

** Sample ID listed with prefix "UA-" in laboratory results

Result exceeds recommended cleanup objective

Three soil samples were also analyzed for PCBs. PCB results are reported in Table 4-6. Aroclor 1254 was detected at or in exceedance of the screening levels in each of the three samples analyzed. Aroclor 1254 concentrations ranged from 1,000 to 4,000 µg/kg in samples TD-37, TD-39 and TD-41. No other PCB compounds were detected.

4.3.3 Empty Drum Storage Area

Three of 10 surface soil samples (ED-47, ED-53 and ED-54) collected in the Empty Drum Storage Area were selected for laboratory analyses. Although five volatile organic compounds were identified in the analyses, all were found at concentrations below screening levels. The detected compounds in the Empty Drum Storage Area include trichloroethene (7.5 to 55 µg/kg); vinyl chloride (0 to 27 µg/kg); methylene chloride (3 to 4.1 µg/kg); and trans-1,2 dichloroethene (2.0 to 29 µg/kg). 1,1 Dichloroethene was detected in ED-54 at a concentration of 12 µg/kg. Laboratory results for VOCs detected in the Empty Drum Storage Area are presented in Table 4-7.

PCB analyses were also performed on three soil samples (ED-49, ED-51 and ED-54) from the Empty Drum Storage Area (see Table 4-6). Concentrations of Aroclor 1254 exceeded screening levels in sample ED-54 (1,500 µg/kg). Aroclor 1254 was detected below screening levels in ED-49 (290 µg/kg) and ED-51 (610 µg/kg). No other PCB compounds were detected.

4.3.4 Turnings Pile Area

Soil from TP-57 and TP-59 was analyzed for volatile organic compounds. Four volatile organic compounds were detected below screening levels in the soil samples. These compounds include vinyl chloride; methylene chloride; trans-1,2dichloroethene; and trichloroethene. Results of the laboratory analyses are presented in Table 4-5.

TABLE 4-6
UTICA ALLOYS. INC.
SUPPLEMENTAL INVESTIGATION
SOIL SAMPLING RESULTS- TURNINGS DRUM AND TURNINGS PILE AREA
PCBs

SAMPLE IDENTIFICATION	TD37	TD39	TD41	ED49	ED51	ED54	TP58	TP61		
DATE OF COLLECTION	11/07/95	11/07/95	11/07/95	11/07/95	11/07/95	11/07/95	11/07/95	11/07/95	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES
SAMPLE DEPTH	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft	0 - 1.5 ft		
DILUTION FACTOR	1.00	5.00	1.00	1.00	1.00	1.00	1.00	5.00		
PERCENT SOLIDS	92	90	89	87	92	92	91	96		
PESTICIDE/PCBs	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Aroclor-1016	U	U	U	U	U	U	U	U	33.00	1000*
Aroclor-1221	U	U	U	U	U	U	U	U	67.00	1000*
Aroclor-1232	U	U	U	U	U	U	U	U	33.00	1000*
Aroclor-1242	U	U	U	U	U	U	U	U	33.00	1000*
Aroclor-1248	U	U	U	U	U	U	U	U	33.00	1000*
Aroclor-1254	1200	4000	1000	290	610	1500	2700	3500	33.00	1000*
Aroclor-1260	U	U	U	U	U	U	U	U	33.00	1000*
TOTAL PCBs	1200	4000	1000	290	610	1500	2700	3500		1000*

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample

NOTES
*: Value is for total PCBs.
**: Sample ID in laboratory data package includes prefix "UA-"
: Value exceeds recommended cleanup objective

TO DETERMINE THE DETECTION LIMIT FOR EACH SAMPLE USE THE FOLLOWING EQUATION: (CRDL)*(DF)(100/ %S)

CRDL: CONTRACT REQUIRED DETECTION LIMIT %S: PERCENT SOLIDS
DF: DILUTION FACTOR

TABLE 4-7

UTICA ALLOYS, INC.

SUPPLEMENTAL INVESTIGATION

SOIL SAMPLING RESULTS - EMPTY DRUM AREA AND UNDREGROUND UTILITIES

VOLATILE ORGANIC COMPOUNDS

SAMPLE ID**	ED47	ED53	ED54	UU62	UU63		
DATE OF COLLECTION	11/4/95	11/4/95	11/4/95	11/9/95	11/9/95	METHOD	NYSDEC
SAMPLE DEPTH	0-1.5 FT	0-1.5 FT	0-1.5 FT	0-.5 FT	0-.5 FT	DETECTION	RECOMMENDED
PERCENT SOLIDS	88	93	92	59	79	LIMIT	SOIL CLEANUP
DILUTION FACTOR	1	1	1	5	125		OBJECTIVES*
VOLATILE COMPOUNDS/CAS#	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane/74-87-3	U	U	U	U	U	1	----
Bromomethane/74-83-9	U	U	U	U	U	1	----
Vinyl Chloride/75-01-4	U	5.1	27	U	U	1	200
Chloroethane/75-00-3	U	U	U	U	U	1	1900
Methylene Chloride/75-09-2	3 B	3.2 B	4.1 B	U	270 B	1	100
1,1-Dichloroethene/75-35-4	U	U	12	U	U	1	400
1,1-Dichloroethane/75-34-3	U	U	U	U	U	1	200
Trans-1,2-Dichloroethene/156-60-5	U	2.9	29	U	U	1	300
Chloroform/67-66-3	U	U	U	U	U	1	300
1,2-Dichloroethane/107-06-2	U	U	U	U	U	1	100
1,1,1-Trichloroethane/71-55-6	U	U	U	U	U	1	800
Carbon Tetrachloride/56-23-5	U	U	U	U	U	1	600
Bromodichloromethane/75-27-4	U	U	U	U	U	1	----
1,2-Dichloropropane/78-87-5	U	U	U	U	U	1	----
cis-1,3-Dichloropropene/10061-01-5	U	U	U	U	U	1	----
Trichloroethene/79-01-6	7.5	35	55	94	2000 J	1	700
Dibromochloromethane/124-48-1	U	U	U	U	U	1	----
1,1,2-Trichloroethane/79-005	U	U	U	U	U	1	----
Trans-1,3-Dichloropropene/10061-02-6	U	U	U	U	U	1	----
Tetrachloroethene/127-18-4	U	U	U	U	U	1	1400
1,1,2,2-Tetrachloroethane/79-34-5	U	U	U	U	U	1	600
Chlorobenzene/108-90-7	U	U	U	U	U	1	1700
Dichlorodifluoromethane/75-71-8	U	U	U	U	U	1	----
Trichloromonofluoromethane/75-69-4	U	U	U	U	U	1	----
1,2-Dichlorobenzene/95-50-1	U	U	U	U	U	1	7900
1,3-Dichlorobenzene/541-73-1	U	U	U	U	U	1	1600
1,4-Dichlorobenzene/106-46-7	U	U	U	U	U	1	8500
Bromoform/74-25-2	U	U	U	U	U	1	----
TOTAL VOCs	10.5	46.2	127.1	94	2270		10000

QUALIFIERS

B: Compound found in the method blank as well as the sample

U: Compound analyzed for but not detected

J: Compound found at a concentration below the detection limit, value estimated

NOTES

----: Not established

*: Total VOCs not to exceed 10000 ug/kg

**: Sample ID listed with prefix "UA-" in laboratory results

Value exceeds recommended cleanup objective

VOSS/mm/RP

04/18/96

Two soil samples from the Turnings Pile Area were also analyzed for PCBs. Results of the analyses are presented in Table 4-6. Aroclor 1254 was detected in soil sample TP-58 (2,700 µg/kg) and TP-61 (3,500 µg/kg) above the screening level. No other PCB compounds were detected in these samples.

4.4 Underground Utility Survey Results

An underground utility survey was conducted within the limits of the Utica Alloys property. Pipes were identified, located and mapped to determine, if possible, where waste water and drainage water may be exiting the Utica Alloys building and connecting to municipal waste water utilities. The underground utility survey involved an inspection of the plant facility lead by Utica Alloys employees to identify locations of drains and waste pipes. Included in the investigation were restroom soil pipes; drinking fountain drain pipes; floor drains and sumps; cleanout pipes; vent pipes; roof drains; and boiler bleed-off pipes. According to the facility owner, these pipes are connected to the municipal sewer along Leland Avenue. Figure 4-1 shows the locations of various pipes and drains investigated.

Two underground utility locations which exhibited elevated contaminant concentrations include a floor drain and sump located in the vapor degreaser area of the building, and a floor drain and sump located on the concrete pad outside of the building. Sample UU-62 was obtained from the bottom of the sump located on the concrete pad outside of the building. This sump receives runoff from the concrete pad, which includes precipitation and wash water from the pad. A volatile organic compound analysis on the sediment sample from UU-62 resulted in the detection of one compound, trichloroethene (94 µg/kg), which is below the screening level. VOC analyses results for the utilities samples are listed in Table 4-7. These results are likely due to the accumulation of contaminants in the sump sediments over many years.

WURZ AVENUE

LELAND AVENUE

Main Gate

Old Truck Scale

chain link fence

Main Offices

Lathe & Storage

stairs

Laboratory

4" IRON CLEANOUT PIPES

VENT

Office

Lavatory

Locker Room

Buried Electric Line

Office

Loading Dock

4" FLOOR DRAIN

exits building

Degreaser

Button Furnace Area

1-1/2" PVC

overhead door

ramp up

Boiler Room

Vapor Degreaser

Briquetter

Metal Plates Over Railroad Ties

Railroad tracks

Buried Electric Line

#2 FUEL OIL FILL PIPE

Loading Dock

Scale

ELECTRICAL PANEL

Pelletlast (aboveground piping to dust collectors)

Large Shear

Vapor Degreaser

SUMP FOR WATER/ STEAM DISCHARGE

Small Shear

DRINKING FOUNTAIN (NOT USED)

3" STACK TO ROOF

stairs

DRY SUMP

aboveground

Former Location of Aboveground Storage Tanks for Trichloroethylene

Rotary kiln

stairs

WATER TANK (DRAINS ABOVE GROUND)

Scale

MANHOLE

flow

exits building

slope

flow

flow

wall

WASHER

LEGEND:

PROPERTY LINE

0 20

APPROXIMATE SCALE IN FEET

ramp up

Loading Dock

from outdoor sump

DRAIN

DIRECTORY: 1:194 FILE NAME: 1:194-U1 RDS-04/29/96

UTICA ALLOYS, INC.
SUPPLEMENTAL INVESTIGATION

BUILDING UTILITY DETAIL MAP

William F. Cosulich Associates, P.C.
Environmental Engineers and Scientists

FIGURE 4-1

Sample UU-62 was also analyzed for PCBs. Table 4-8 presents PCB results. Aroclor 1254 (25,000 µg/kg) was detected in concentrations in exceedance of the screening level. No other PCBs were detected in this sample.

A sediment sample was also collected from the bottom of a sump located in the vapor degreaser room. This sump contains clear water and receives hot water blow off from a boiler on the vapor degreaser. Sediment in the sump consists mainly of metal shavings and coarse grained sediment, including rust flakes. Volatile organic compounds were analyzed in sample UU-63. Trichloroethene (28,000 µg/kg) was detected above the screening level, and methylene chloride (270 µg/kg) was also detected in sample UU-63. Methylene chloride contamination was also found in the laboratory blank, and may be considered a laboratory contaminant.

4.5 Data Validation

Soil and groundwater samples were collected during the supplemental site investigation conducted at the Utica Alloys site. The samples were analyzed for volatile organics by USEPA SW-846 Method 8010/8020 and/or PCBs by USEPA SW-846 Method 8080 by Nytest Environmental, Inc. (NEI), a subcontractor to William F. Cosulich Associates, P.C.

The data packages submitted by NEI were validated by WFC in accordance with NYSDEC QA/QC requirements. All of the environmental sample, QC sample and standard results were validated resulting in a 100 percent validation. The following text summarizes the findings of the validation process.

The PCB primarily found on-site was Aroclor 1254. One sample had a result for Aroclor 1260 which was confirmed. A few samples required reanalysis at a higher dilution due to the high concentrations of Aroclor 1254 present. All the PCB data is considered valid and usable for environmental assessment.

TABLE 4-8
UTICA ALLOYS. INC.
SUPPLEMENTAL INVESTIGATION
SOIL SAMPLING RESULTS - UNDERGROUND UTILITIES
PCBs

SAMPLE IDENTIFICATION**	UU62	UU63	FB	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES
DATE OF COLLECTION	11/14/95	11/14/95	11/09/95		
SAMPLE DEPTH	0 - 0.5 ft	0 - 0.5 ft	NA		
DILUTION FACTOR	50.00	1.00	1.11		
PERCENT SOLIDS	59	79	NA		
PESTICIDE/PCBs	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Aroclor-1016	U	U	U	33.00	1000*
Aroclor-1221	U	U	U	67.00	1000*
Aroclor-1232	U	U	U	33.00	1000*
Aroclor-1242	U	U	U	33.00	1000*
Aroclor-1248	U	U	U	33.00	1000*
Aroclor-1254	**25000**	U	U	33.00	1000*
Aroclor-1260	U	U	U	33.00	1000*
TOTAL PCBs	**25000**	0	0		1000*

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample

NOTES
*: Value is for total PCBs.
**: Sample ID in laboratory data package includes prefix "UA-"
: Value exceeds recommended cleanup objective

TO DETERMINE THE DETECTION LIMIT FOR EACH SAMPLE USE THE FOLLOWING EQUATION:

CRDL: CONTRACT REQUIRED DETECTION LIMIT %S: PERCENT SOLIDS
DF: DILUTION FACTOR

The primary volatile compound found in on-site soils was trichloroethene (TCE). The initial analysis of three samples: GW-05, GW-06; and EX-66, was performed one day out of holding time and the confirmation analysis of samples GW-01, GW-05, TD-42 and GW-06 was performed one day out of holding time. Results for the above analyses have been qualified as estimated, possibly biased low.

A few compounds in the continuing calibration standards did not meet QC limits. The compounds that did not meet QC calibration limits were not detected in the environmental samples, therefore, there was no effect on the data usability. Due to high concentrations of TCE and matrix effects, the recovery of TCE in certain calibration standards required the following quantitation: TCE was quantitated from the confirmation column for samples UU-62, TD-45 and EX-66. TCE was quantitated from the primary column for AT-19DL, AT-22DL, AT-30DL, AT-31DL, AT-28, AT-29, ED-47, ED-53, TP-57 and ED-54.

Seven samples were analyzed at medium level: AT-30, AT-31, TD-42, TD-43, TD-45, AT-28 and AT-29, with the last two requiring an additional 1:50 dilution. Two groundwater samples, GW-02 and GW-06, were run at a 1:20 dilution.

Eight samples: AT-02, AT-12, AT-13, AT-19, AT-22, AT-30, AT-31 and GW-06, required reanalysis at secondary dilutions since the concentration of TCE exceeded the instrument calibration range. Sample GW-02 was reanalyzed at a secondary dilution due to the concentration of vinyl chloride exceeding the instrument calibration range. The results for TCE and vinyl chloride for the above samples should be taken from the diluted analysis.

Results are deemed usable for environmental assessment as qualified above.

Appendix A

APPENDIX A

DAILY FIELD ACTIVITY REPORTS

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DAILY FIELD ACTIVITY REPORT

Report Number: 1 Project Number: 1194 G Date: 11/1/95

Field Log Book Page Number: 3-6

Project: Utica Alloys

Address: W Jrz & Leland Ave., Utica, NY

Weather: (AM) overcast 45° F, windy Rainfall: (AM) 0.25 Inches
(PM): overcast 50° F windy (PM) trace Inches

Temperature: (AM) 45 °F Wind Speed: (AM) 0-5 MPH Wind Direction: (AM) W
(PM) 50 °F (PM) 0-10 MPH (PM) W

Site Condition: muddy, wet, high traffic from deliveries

Personnel On Site:	Name	Affiliation
	G Gould	WFC
	D Stahl	WFC
	Arnold chapel	Parratt-Wolff
	Tony	Parratt-Wolff
	Sri Maddineni	DEC

Subcontractor Work Commencement: (AM) 8:20 (PM) X

Subcontractor Work Completion (AM) X (PM) 5:12

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DATE: 11/1/95

DAILY FIELD ACTIVITY REPORT

General work performed today by WFC Engineers: drilling oversite, sample collection

List specific inspection(s) performed and results (include problems and corrective actions):

see field book

List type and location of tests performed and results (include equipment used and monitoring results):

see field book

Verbal comments received from subcontractor (include construction and testing problems, and recommendations/resulting actions):

- bailers do not fit in 1" I.D. wells, smaller bailer delivered to site in p.m.

Prepared by: G. Gan 11/1/95 Reviewed by: _____

WFC-DFAR

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DATE: 11/1/95

DAILY FIELD ACTIVITY REPORT

Work performed today by subcontractor(s) (includes equipment and labor breakdown):

Parratt-Wolff - job charges are hourly
9 hours work

install gw sampling points
GW-2
GW-3
GW-1
GW-4

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DAILY FIELD ACTIVITY REPORT

Report Number: 2 Project Number: 1184 G Date: 11/2/95

Field Log Book Page Number: 7 - 11

Project: Utica Alloys

Address: WWTP and Leland Ave, Utica, NY

Weather: (AM) ~~7:58~~ showers Rainfall: (AM) 0.25 Inches
(PM): clearing (PM) ~~0.25~~ Inches

Temperature: (AM) 50 °F Wind Speed: (AM) 0-5 MPH Wind Direction: (AM) W
(PM) 60 °F (PM) 0-5 MPH (PM) W

Site Condition: very muddy from overnight rain

Personnel On Site:

Name	Affiliation
G. Gould	WFC
D. Stahl	WFC
Arnold Chaffee	PW
Tony	PW
Sri Maddineni	DEC

Subcontractor Work Commencement: (AM) 7:58 (PM) X

Subcontractor Work Completion (AM) X (PM) 5:37

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DATE: 11/2/95

DAILY FIELD ACTIVITY REPORT

General work performed today by WFC Engineers: drilling overlite soil & gw sampling

List specific inspection(s) performed and results (include problems and corrective actions):

see field book

List type and location of tests performed and results (include equipment used and monitoring results):

see field book

Verbal comments received from subcontractor (include construction and testing problems, and recommendations/resulting actions):

see field book

Prepared by: [signature] 11/2/95 Reviewed by: _____

WFC-DFAR

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DATE: 11/2/95

DAILY FIELD ACTIVITY REPORT

Work performed today by subcontractor(s) (includes equipment and labor breakdown):

9 hrs drilling by Parratt-Wolff

53 soil samples using split spoons
GW-5 } gw sampling points
GW-6 }

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DAILY FIELD ACTIVITY REPORT

Report Number: 3 Project Number: 1154 G Date: 11/3/95

Field Log Book Page Number: 12-18

Project: Utica Alloys

Address: Wurz & Leland Aves, Utica, NY

Weather: (AM) rain Rainfall: (AM) 0.5 Inches
(PM): clearing, temp falling (PM) trace Inches

Temperature: (AM) 55 °F Wind Speed: (AM) 5-10 MPH Wind Direction: (AM) W
(PM) 48 °F (PM) 5-10 MPH (PM) W

Site Condition:

Personnel On Site:	Name	Affiliation
	G. Gould	WFC
	D. Stahl	WFC
	Arnold Chappel	PW
	Gregg Mayer	PW
	Sri Maddineni	DEC

Subcontractor Work Commencement: (AM) 8:00 (PM) X

Subcontractor Work Completion (AM) ~~X~~ gg (PM) X 12:30 gg

WFC-DFAR

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DATE: 11/3/95

DAILY FIELD ACTIVITY REPORT

General work performed today by WFC Engineers: drilling onsite
- sample soil & ground water
- locate borings

List specific inspection(s) performed and results (include problems and corrective actions):

see field book

List type and location of tests performed and results (include equipment used and monitoring results):

see field book

Verbal comments received from subcontractor (include construction and testing problems, and recommendations/resulting actions):

see field book

Prepared by: [signature] 11/3/95 Reviewed by: _____

WFC-DFAR

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

DATE: 11/3/95

DAILY FIELD ACTIVITY REPORT

Work performed today by subcontractor(s) (includes equipment and labor breakdown):

4½ hours drilling & clean up

Soil borings 54-61
clean up
leave site.

Contacts

Utica Alloys 315 733-0475

W.F. Cosulich, Assoc. 516 364-9892
(T. Maher)

NYTEST 516 625-5500

Parratt-Wolff 800 782-7260

Response Rentals 800 242-3910

DEC Albany (Sr: Meddineni:) 518 457-0639

Utica Alloys Weds 11/1/95

Weather: overcast, rain, 48°F
notes by D. Stahl & G. Beals

8:20 D. Stahl & I arrived at
Utica Alloys Site

- drillers are already here
- Arnold & Tony

- circle site for background
ments using microtip. PID
started at 0.0 increased to
35 ppm - possible moisture
related problem.
- left PID w/ GB to clean filter
and check calibration
- set-up on GW-2

09:40 Sri (NYSDEC) arrives to
inspect.

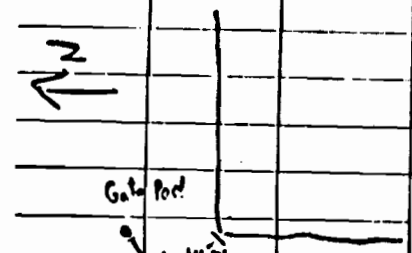
10:25, finish GW-2
10:35, started GW-3

- Nailer doesn't fit in 1" well

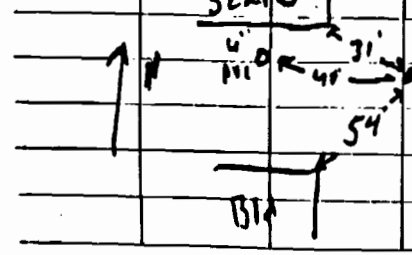
11/1/95 wed Utica Alloy

11:47, Collect GW sample from GW-3 through open hole. UA-GW-3

12:52, collect GW sample from GW-2 through open hole. UA-GW-2



13:M measure GW-3



GW samples wed 11/1/95

13:20 begin setup at GW-4 Doug of Utica Alloy asked us to wait until 2 trucks unload before setting up on GW-4

- Arnold, Dean & I went to see about drilling GW-1

13:30 we met Bri walking around the turnings pile area

13:40 Arnold called Parrott - wish to call in a water mark out

14:15 we are still waiting for a truck to dump turnings

14:20 Utica water department arrived and cleared GW-4

14:45 we began drilling GW-1

11/1/95 Wed Utica Alloys

15:50, finish GW-1
set 20-slot 2" pvc w/ locking cap 13-3'.
move to steam clean

16:10, start GW-4
16:45, finish GW-4
set 10-slot 1" pvc - screen w/ push cap, cones, caution tape
- move to decon

17:12, leave site w/ drillers

GW and Soil Sampling thru 11/3/95

11/2/95 thurs. Utica Alloy
clear, calm, 50-60°F GG, DNS
notes by G. Gould & D. Stahl

07:58, arrive site getting ready for GW-5
08:05, Sri (Keydet) arrives.

WL's
GW-1, 9.4' GW-4, 9.1'
stickup, 2.0' stickup, 4.0'
7.4' 5.1'

08:20, start GW-5 B 0.0 = 10.0'
install 2" 20-slot PVC screen 8.0' to 2' above grade. Mild odor
08:50, sample GW-1
09:05, move to steam clean
09:10, begin soil sampling at 18 points in Above ground storage tank area.

9:20 rain is heavy, continuing soil sampling at Above ground storage tank area

11/2/95 Thu Utica Alloys

9:40 begin installation at extra ground water sampling point near UA-AT-2

10:20 GW point installed GW-6

10:24 Resume soil samples with UA-AT-1

- after talking with Sri we will not sample surface for PCBs

11:00 rain has stopped clouds are temporarily [illegible]

- drillers finish UA-AT-5/23

11:45 I went to sample GW-5 - there is enough water to do VOA's only

GW & Soil Sampling Thu 11/2/95

11:55 GW-5 VOA's, MS & MSD sampled
- water is black or organic looking

- I started to fill TPH bottle but ran out of water

- I will return later

12:00 drillers & Dean are working at UA-AT-17

12:10 I went to sample GW-4

12:20 GW-4 sampled for VOA's, clear to cloudy water

12:25 I removed 1" PVC from hole at GW-4 and filled hole with bentonite chips then covered the hole with native materials

11/2/95 Thur Utica Alloys

- at Utica Alloys employee was digging in an excavation for electrical conduit while I abandoned GW-5

12:45 I marked Turning Drum Storage area borings

13:15 I left site to get lunch for drillers and make phone calls

13:55 I returned to site - drillers are finishing Above ground tank area

- move to steam clean

14:35, move to begin in turning drum area, ED-37 thru TP 48

15:55, finish turning drum area

16:05, begin in empty drum area ED 47 thru 53 only

16:48, ED-53 complete.

GW & Soil Sampling 11/2/95 Thur 11/2/95

- decide to stop for day

- all wells abandoned by pulling and filling hole with bentonite except GW-5

- GW-5 secured with stand around screen and bentonite at surface, cones placed around well.

17:37, leave site for Fed-X

11/3/95 Fri Utica Alloys

notes by G. Gould & D. Stahl

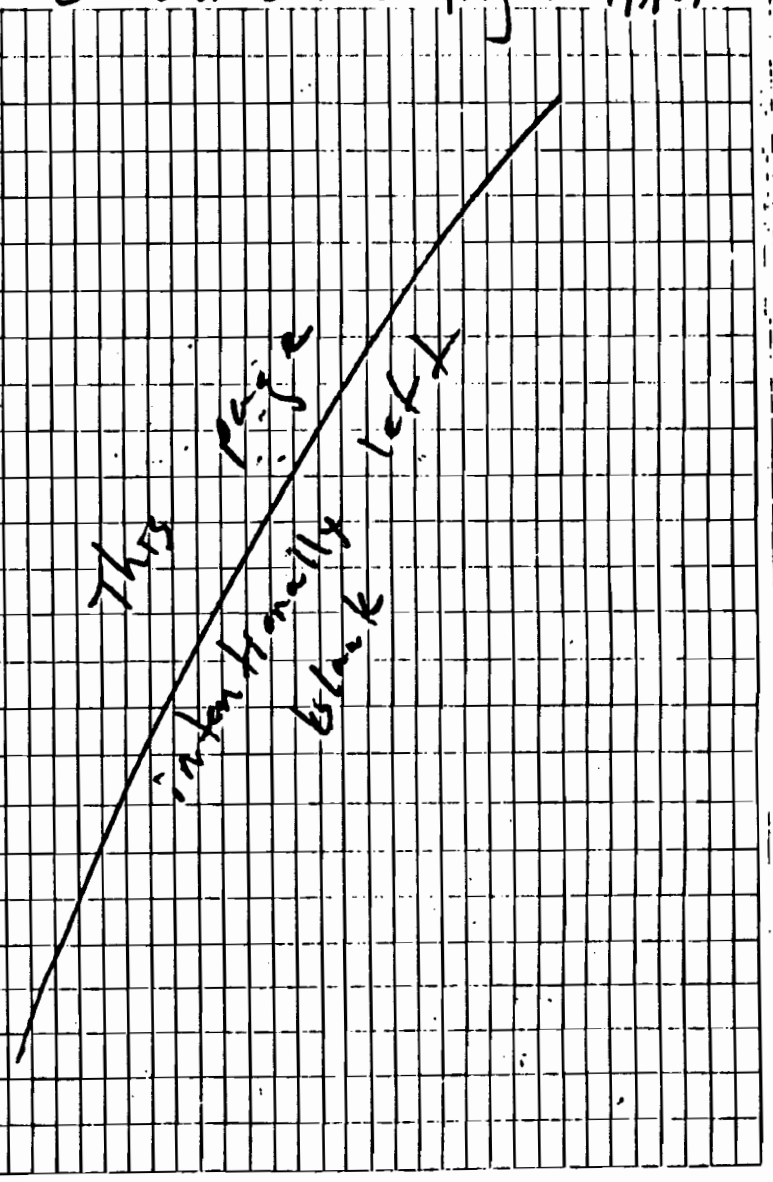
8:00 Dean & I arrived at site
drillers already here
Greg Moyer is helper
Arnold is driller

8:20 Dean Stahl & drillers going to finish borings at empty drum storage area

- I left site to call Robbin Petrella re: sample shipment - hold GW-6 & EX-66
- Robbin said 1 l. for TPH & MS/MSD is sufficient
- 1 l amber bottles are for PCB wash blanks

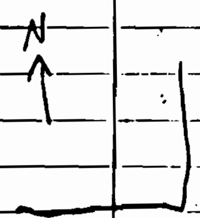
8:25 I returned to site weather is overcast with rain, temp. is 54°F

GW and Soil Sampling Fri 11/3/95

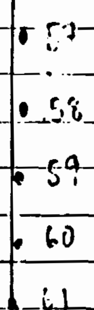


11/3/95 Fri: Utica Alloys

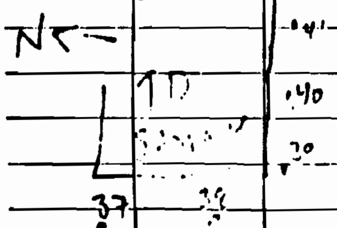
10/18 drilling done
begin locating borings



Boring ID	ft from entrance	ft offset pad
57	21'	6'
58	33'	6'
59	46'	7'
60	63'	8'
61	74'	7'



23' from one bldg to cr pad



GW & Soil sampling 11/3/95

Fri: 11/3/95

ctr loading dock to red post = 55'

Boring ID	ft from [illegible]	ft E of 34
37	23	0
38	31'	0
39	40'	2'
40	40'	18'
41	40'	34'

Drill Trench Centerline = 23'
width " = 10

Boring ID	ft from W fence	ft S [illegible]
47	21	75
48	32	
49	40	
50	3	
51	13	
52	24	
53	37	
54	7	
55	16	
56	26'	

W fence to loading dock S. ctr = 45'

11/3/95 Fri Utica Alloys

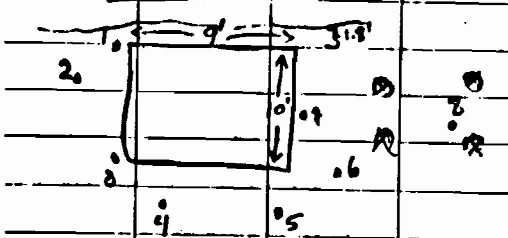
1: E cnr tp: pad to SE cnr yellow brick bldg = 29'

GW-4 to TP: pad NE = 36'
SE cnr yellow brick to GW-4 = 31

N-S width yellow brick = 19' to edge
~~E-W depth~~ of heat exchanger pad
EW depth yellow brick = 14'

hydrant to GW-1 = 11'
tele pole to GW-1 · 12.5' [illegible]

North Pad



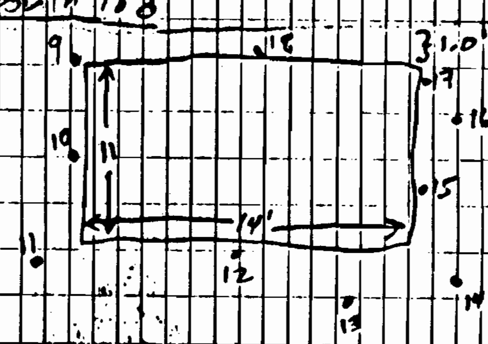
1, on corner
GW-6, 2' N of pad and 7' off bldg.
2, 4' N of pad " 5' " "
3, on corner
4, 5' W of pad and 1.5' S of NW pad cnr
5, 6' W of SW pad cnr
6, 2' S of SW " "

GW and Soil Samplings Fri 11/3/95

7, 8' N of bldg + 1' S of pad

15' separation between 2 pads

South Pad



9 on corner
10 on edge and 7' from bldg.
11 2.5 N of NW cnr and 2' North of same
12 6' S of NW cnr
13 4' W of pad and 3' N of SW cnr.
14 3' W of pad and 3' S of SW cnr.
15 3' E of SW cnr on edge
16 7.5' E of SW cnr and 2' S of pad
17 9.5 E of SW cnr on edge
18 7.5 N of SE cnr on edge.

10/3/95 Fri Utica Alloys

GW3-5, 14' from electric box on scale ("ATLAS") and,

3.5' from 4" pvc West and,
27' from East end of scale and,
46' from NE cnr of office. (not office door corner).

11:50, leave site for Fed-X, drillers shortly thereafter

Gerald Gould

Underground Utility Insp. Tue 11/4/95

Weather - mostly cloudy, 45°F
wind 0-3 from West
notes by G. Gould

9:45 Dean Stahl & I arrived at Utica Alloys to perform an inspection of Underground utilities in the buildings and on the premises

9:55 we met with Rick Zajac
- Rick showed all the sewers & drains he is aware of

10:45 Rick finished the tour and Dean and began our investigation

- we started at the office laratory located east of the lab at the NE corner of the building

11/7/95 Tue Utica Alley

- toilet & sink drains go into floor and east wall
- a 4" iron pipe clean out is located outside the exit door to the building

11:55 we moved to the sorting room
- there is a floor drain with a perforated PVC cover that receives warm clear water from an east-west trending 1½ PVC pipe located on the floor
- water is used to cool the button furnace
- drain appears to widen to 4" dia and elbows to the west (toward Leland Ave)

11:28 on 2nd floor, west of roto blast - 2 - 2½" inch ID iron pipes draining through floor

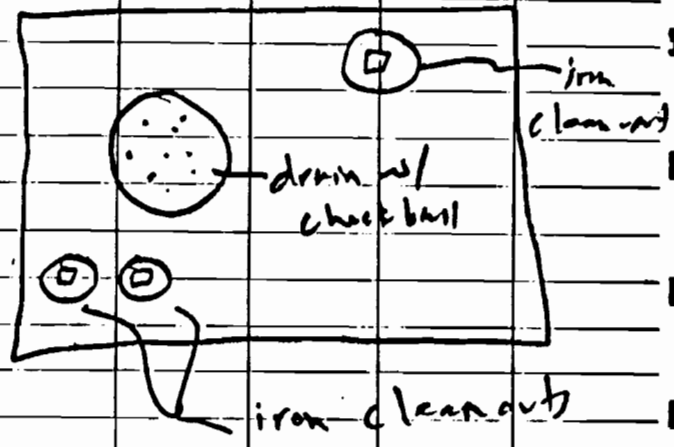
Utility Survey Tue 11/7/95

- one pipe is open and has 1½" PVC pipe over the top
- PVC is from drinking fountain in roto blast room on other side of wall
- 2nd pipe is plugged & reported by Utica Alloy employee to have drained a 3rd floor bathroom that is no longer in use
- open end of bathroom sewer pipe can be seen through ceiling above these 2 pipes

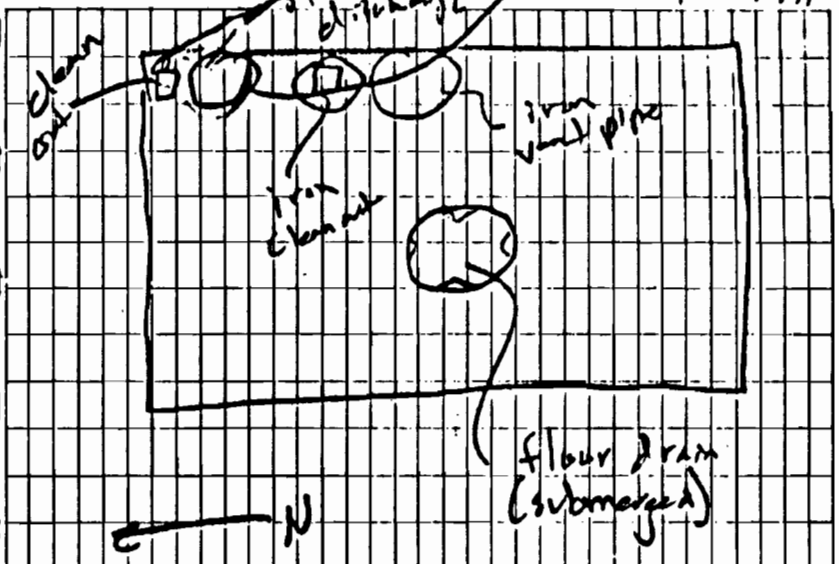
12:15 we found a sump pit near the location of the drinking fountain drain
- we tried to track water flows from drinking fountain drain the floor but by pouring water down drain and sign of water

11/7/95 Tue Utica Alleys

- the drain in the dry sump has a 2" styrofoam check ball to prevent back flow



12:50 inspect sump in vapor degreaser room
- a steam vent drains in the sump
- also a 4" iron vent pipe goes from the pit to the roof



- three floor drains in vapor degreaser apparatus flowed to sump

13:15 we began investigating sump near turning point

13:35 Doug Cal Utica Alloys pulled sump cover and observed a pile of sludge from the bottom
- I sampled sludge for VOA & PCB's

Tue 11/7/95

11/7/95 Tue Utility Alloys

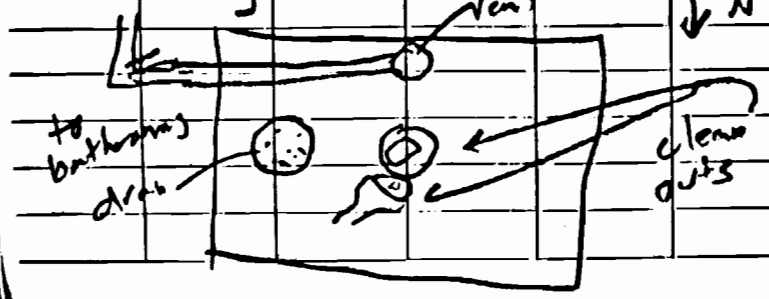
- we observed wash water sump near the turnings shed
- the sump exits through a 6" heating duct elbow

- the outdoor sump T's into drain from wash water sump

13:50 Dean sampled vapor degreaser sump
- notes odor - sweet smell
probably TCE

14:17 we closed vapor degreaser sump

14:30 we checked cover for outdoor sump on N side of building -



Utility Survey Tue 11/7/95

- Dean measured loading dock width ≈ 30'

1445 we left site

Gail Sm

Appendix B

APPENDIX B

BORING LOGS

Driller: Arnold/Tony
Inspector: OG, DNS
Rig Type: IR-A200
Drilling Method: Direct Push

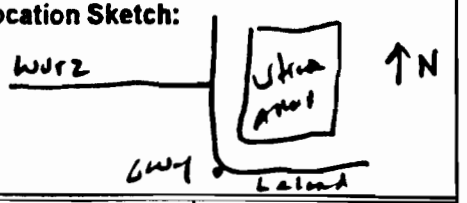
W. F. Cosulich, Associates P. C.
Project Name: Utica Alloys
Project #: 1194
Boring Depth: 16.0'

Boring ID: GW-1
Sheet 1 of 1
Location:

Groundwater Observations			
Date	11/2		
Time	8:05		
DTW	7.4'		
Casing/Total Depth	13'		

Start (Date & Time): 11/1/95, 14:50
Finish (Date & Time): 11/2 17:00
Weather: rain, 50°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
0-2.0'	Sst					
2-4.0	Sst					
				5.0 not sampled		
				10.0		
14'-16'	SS-1	N/a		wet dark gray - black silt/some clay soft		set 2" 20-slot from 13-3'.
				15.0		let set o-nite before sampling
				B.o.g = 16.0'		

back filled w/ bentonite chips

Soil Stratigraphy Summary

Driller: Arnold / Tony
Inspector: DWS, GG
Rig Type: Ing-Rand A200
Drilling Method: 3 1/4 SSA

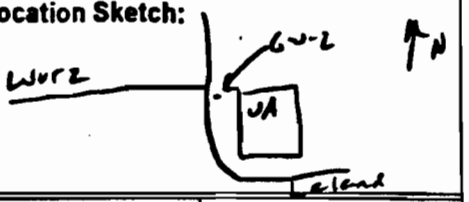
W. F. Cosulich, Associates P. C.
Project Name: Utica Alloys
Project #: 194 G
Boring Depth: 12'

Boring ID : GW-2
Sheet 1 of 1
Location:

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 11/1/95 09:00
Finish (Date & Time): 11/1/95 10:35
Weather: rain
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				8" concrete 4" crushed stone		Concrete slab patched upon completion
1-2.0'	S-1			rec. = 1.0'. Bk-Br. silt, some c-f sand, little c-f gravel, brick, charcoal, moist.		
2-4.0'	S-2			F-M. Br c-f sand + red brick. wet in tip. rec = 1.7'.		
4-6.0'	S-3			Rec = 2.0. Rd-Br. m-f sand, little c sand (1:0) Soft near bottom. Over Bk-Br silt and clay-org. rich. moist-mottling. grades Gy-Br		
			5.0'			
6-8.0'	S-4			Rec = 1.4'. Moist, stiff gy-br clay, some silt, w/ much mottling		▼ = 7' w/ spoon to 10'.
8-10.0'	S-5			Rec = 0.7'. Same (0.3) over Wet, Soft c-f sand, Some clay, tr silt. (0.3') over Br. clay + silt, mottled fewer organics.		
10-12.0'	S-6			Rec = 1.0'. Similar. Wet, Gy-br clay, Little silt. only trace mottling, org ↓ w/ depth.		
				B.O.B. = 12.0', set 10-slot 1" id. PVC screen 11.5 - 6.5'		UA-GW-2 Collected at 12:52

backfilled with Bentonite & concrete

Soil Stratigraphy Summary

Driller: Parratt Wolff - Arnold
Inspector: G. Gould / Install - WE
Rig Type: IR A200
Drilling Method: Direct Push

W. F. Cosulich, Associates P. C.
Project Name: Utica Alloys
Project #: 1194 G
Boring Depth: 10.0'

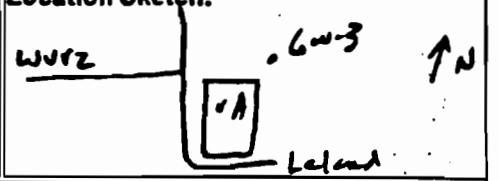
Boring ID: GW-3
Sheet 1 of 1
Location:

Groundwater Observations

Date	11/1/95		
Time	10:35 start		
DTW			
Casing/Total Depth			

Start (Date & Time): 11/1/95, 10:35
Finish (Date & Time): 11/1/95, 11:20
Weather: rain
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2.0'	S-1		0.0	Rec = 1.6. Br-Gy fill grades to Dk Br. fill. C-f sand, some silt, little c-f gravel, red brick, glass, charcoal. Moist.	bentonite pellets w/ bentonite slurry	a bentonite placed around hole to prevent rain puddle seepage
2-4.0	S-2		0.0	Rec = 0.8' Br - Bk-Br c-f sand, little silt, ashes, odor of tar brick pieces. Moist. wet in tip.		UA-EX-66 collected. 2-4'.
4-6.0'	S-3		0.0	Rec = 2.0' Same (0.5') over Br silt, little f sand, trace f gravel. Dg. brick in tip. Moist trace organics, trace mottling near tip.		▼ = 6'
6-8.0'	S-4		0.0	Rec = 0.3'. Rd brick frags w/ c-f sand, little silt. wet.		
8-10.0	S-5		0.0	No recovery in clay & silt		
				B.O.B. = 10.0', Set 10-slot 1" dia PVC screen 10.0-5.0'		UA-GW-3 collected at 11:47

Soil Stratigraphy Summary

file wfclog wk4 revised 4/12/95 by GG

Driller: Parratt-Wolff - Arnold
Inspector: G. Gould / D Stahl - WFC
Rig Type: IR A700
Drilling Method: Direct Push

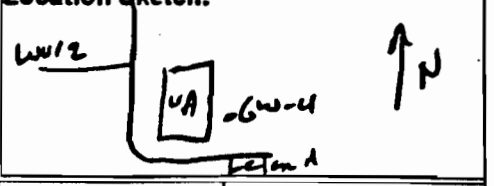
W. F. Cosulich, Associates P. C.
Project Name: Utica Alloys
Project #: 1194 G
Boring Depth: 15.01

Boring ID: GW-4
Sheet 1 of 1
Location:

Groundwater Observations			
Date	11/2/95		
Time	8:10		
DTW	5.01'		
Casing/Total Depth	12'		

Start (Date & Time): 11/1/95 16:10
Finish (Date & Time): 11/2/95 12:25
Weather: cloudy 50°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				NO samples	backfilled with bentonite chips	- NL removed - annulus filled with bentonite chips set 1" 10 slot screen 12' to 7'. Let set o-nite before sampling GW - Sample UA-GW-04 collected at 12:10 11/2/95
				5		
				10		
				15		
				B.O.B = 15.0'		

Soil Stratigraphy Summary

Driller: Arnold Chappel - PW
Inspector: G. Gould - WFC
Rig Type: IR A200
Drilling Method: Direct Push

W. F. Cosulich, Associates P. C.
Project Name: Utica Alloy
Project #: 1194 G
Boring Depth: 10.0

Boring ID: GW-5
Sheet 1 of 1
Location:

Groundwater Observations

Date			
Time	n/a		
DTW			
Casing/Total Depth			

Start (Date & Time): 11/2/95 8:20
Finish (Date & Time): 11/3/95 11:00
Weather: rain
Elevation of Ground Surface:

Location Sketch: GW-5, GW-2, UA, Leland

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				↑ ND Samples	backfilled with bentonite chips	- drillers report wt. at 6.5'
				5		- 2" 20 slot screen installed from 8' - 2'
				6.5' ▼		- removed & backfilled with bentonite on 11/3/95
				0' Bottom of boring 10.0'		- Sample UA-GW-5 Collected at 15:20 on 11/2 -VOA's and 9:13 on 11/3 TPH

Soil Stratigraphy Summary

file wfclog wk4 revised 4/12/95 by GG

Driller: Arnold - PW
Inspector: G. Gould / D Stahl - WFC
Rig Type: IR 260
Drilling Method: Direct Push

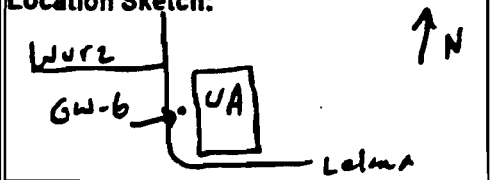
W. F. Cosulich, Associates P. C.
Project Name: Utica Alloys
Project #: 11946
Boring Depth: 15

Boring ID : GW6
Sheet 1 of 1
Location:

Groundwater Observations			
Date	n/a		
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 11/2/95 9:40
Finish (Date & Time): 11/3/95 17:00
Weather: overcast showers 50°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				ND samples	bentonite chip backfill	- 1" PVC 10 slot installed in open hole - UA-GW-06 collected at 14:50 on 11/2/95 - PVC removed & whole plugged on 11/2/95
				5		
				10		
				15		
				bottom of boring 15'		

Soil Stratigraphy Summary

Appendix C

APPENDIX C

SAMPLE INFORMATION RECORDS

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stacl

SAMPLE LOCATION/WELLNO. GW-1

FIELD SAMPLE I.D. NUMBER UA-GW-01 DATE 11/2/95

TIME 08:50 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 7.4' MEASUREMENT METHOD _____

DEPTH OF WELL 13.0' MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's		

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. GW-2

FIELD SAMPLE I.D. NUMBER UA-GW-02 DATE 11/1/95

TIME 12:52 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER ~5' MEASUREMENT METHOD

DEPTH OF ~~WELL~~ Boring MEASUREMENT METHOD

VOLUME REMOVED REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR N/Rec ODOR

TEMPERATURE (°F) SPECIFIC CONDUCTANCE (umhos/cm)

OTHER (OVA, Methane meter, etc.)

CONSTITUENTS SAMPLED:

VOA's

REMARKS: Sample thru open hole

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. GW-3

FIELD SAMPLE I.D. NUMBER UA-GW-03 DATE 11/1/95

TIME 11:47 WEATHER Rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL _____ MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD Trailer

FIELD TEST RESULTS:

COLOR N/GH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's		

REMARKS: sample thru open hole

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gombb/D.Stahl

SAMPLE LOCATION/WELLNO. GW-4

FIELD SAMPLE I.D. NUMBER UA-GW-04 DATE 11/2/95

TIME 12:10 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 5.1' MEASUREMENT METHOD _____

DEPTH OF WELL _____ MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. GW-5

FIELD SAMPLE I.D. NUMBER UA-GW-05 DATE 11/2/95

TIME 11:55 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL 8.0 MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR black ~~PH~~ PH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's		

REMARKS: includes MS/MSD

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. GW-5

FIELD SAMPLE I.D. NUMBER UA-GW-05 DATE 11/2,3/95

TIME 15:00/09:13 WEATHER rain/rain TEMPERATURE 55°F/50°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL 8.0 MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umbos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	TPH		

REMARKS: includes MS, no MSD

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gonlb/D.Stahl

SAMPLE LOCATION/WELLNO. GW-6

FIELD SAMPLE I.D. NUMBER UA-GW-06 DATE 11/2/95

TIME 14:50 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL _____ MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umbos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's		

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Field Blank

FIELD SAMPLE I.D. NUMBER UA-GW-FB DATE 11/3/95

TIME 09:07 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) deionized H_2O

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

TPH

REMARKS: field Blank

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. GW-3

FIELD SAMPLE I.D. NUMBER UA-EX-66 DATE 11/1/95

TIME 10:45 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

VOA's

REMARKS: from GW-3 boring

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-02 DATE 11/2/95

TIME 09:22 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

	VOA's	PCB's	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Ultra Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-04 DATE 11/2/95

TIME 10:32 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

	PCB		

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-05 DATE 11/2/95

TIME 10:56 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: B

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-08 DATE 11/2/95

TIME 14:30 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL _____ MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

	VOA's	PCB's	

REMARKS: beneath dust cyclone

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-10 DATE 11/2/95

TIME 13:22 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-11 DATE 11/2/95

TIME 11:25 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-12 DATE 11/2/95

TIME 14:02 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

	VOA's	PCB's	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-13 DATE 11/2/95

TIME 12:35 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

	VOA's	PCB's	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-14 DATE 11/2/95

TIME 12:47 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-16 DATE 11/2/95

TIME 12:07 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umbos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW C. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-19 DATE 11/2/95

TIME 09:12 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 14.1 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-22 DATE 11/2/95

TIME 11:36 WEATHER Rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umbos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 2.2 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-28 DATE 11/2/95

TIME 13:25 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 84 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: odor

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-29 DATE 11/2/95

TIME 11:28 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 97 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS:

odor

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-36 DATE 11/2/95

TIME 14:05 WEATHER Rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL _____ MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 39 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: odor

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gonld/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-31 DATE 11/2/95

TIME 12:38 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 69 ppm

CONSTITUENTS SAMPLED:

	VOAs		

REMARKS: odor

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-37 DATE 11/2/95

TIME 15:46 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-39 DATE 11/2/95

TIME 15:20 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED: PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-41 DATE 11/2/95

TIME 14:59 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-42 DATE 11/2/95

TIME 15:50 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED: VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-43 DATE 11/2/95

TIME 15:42 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umbos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-45 DATE 11/2/95

TIME 15:10 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

VOAs

REMARKS: black cinders

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-FB DATE 11/2/95

TIME 15:32 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) deionized H2O

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

VOA's

REMARKS: field blank

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-47 DATE 11/2/95

TIME 16:12 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/pha ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's		

REMARKS: near green ponded water

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-49 DATE 11/2/95

TIME 16:18 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-51 DATE 11/2/95

TIME 16:38 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-53 DATE 11/2/95

TIME 16:48 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-54 DATE 11/3/95

TIME 08:40 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's	PCB's	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. field Blank. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-FB DATE 11/3/95

TIME 09:53 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) deionized H_2O

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED: PCB's

REMARKS: field blank

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gonlb/D.Stahl

SAMPLE LOCATION/WELLNO. Turnings Pile Area

FIELD SAMPLE I.D. NUMBER UA-TP-57 DATE 11/3/95

TIME 09:26 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELL NO. Turnings Pile Area

FIELD SAMPLE I.D. NUMBER UA-TP-58 DATE 11/3/95

TIME 09:31 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turnings Pile Area

FIELD SAMPLE I.D. NUMBER UA-TP-59 DATE 11/3/95

TIME 09:45 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 4 ppm

CONSTITUENTS SAMPLED:

	VOA's		

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gronlund/D. Stahl

SAMPLE LOCATION/WELLNO. Turning Piles Area

FIELD SAMPLE I.D. NUMBER UA-TP-61 DATE 11/3/95

TIME 10:06 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 2 ppm

CONSTITUENTS SAMPLED: PCB's

REMARKS: _____

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

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ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Floor sump at turnings pile (outdoors)

FIELD SAMPLE I.D. NUMBER UA-UV-L2 DATE 11/7/95

TIME 13:35 WEATHER raining TEMPERATURE 45° F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT ✓

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) n/a

CONSTITUENTS SAMPLED: VOA PCB's

REMARKS: "oily" black sludge

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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ASSOCIATES, P.C.
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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Vapor degreaser sump

FIELD SAMPLE I.D. NUMBER UA - UU - 63 DATE 11/7/95

TIME 13:50 WEATHER indoor sample TEMPERATURE indoor sample

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT ✓

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) n/a

CONSTITUENTS SAMPLED:

	VOA	AB	

REMARKS: slight "sweet" odor, rust & turnings in sample

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

Appendix D

APPENDIX D

CHAIN OF CUSTODY FORMS

nytest environmental inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page #: 1 of 3

Client Name: W.F. Cashin Assoc
Address: 231 Salina Meadows Pkwy Suite 110
N. Syracuse NY 13212
Project Manager: Gary Gould
Phone: 315 451-7811 FAX: 315 451 7954
Project Name: Ulco Alloys
Project Number: 1194 G
P.O. #:
Analytical Protocol: Deliverables:
Sampled By: G. Gould / D. Stahl

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	VOA	PCB	Bin #'s In/Out (For Lab Use Only)
	UANTO2	11/2	9:22	~~SB~~ Soil Boring	32	✓	✓	
	UANTO8		14:30	~~SB~~	32	✓	✓	
	UANTI2		14:02	~~SB~~	32	✓	✓	
	UANTI3		12:35	~~SB~~	32	✓	✓	
	UANTI7		9:12		21	✓		
	UANT22		11:36		21	✓		
	UANT28		13:25		21	✓		
	UANT29		11:28		21	✓		
	UANT30		14:05		21	✓		
	UANT31		12:58		21	✓		

Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control

Login #:
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	10/26 14:40
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name: Gary Gould	11/2 18:23	Print Name:	
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: _____ Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions: Cooler # 856

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page #: 2 of 3

Client Name: W. F. Cosulich Assoc.
Address: 751 Salina Meadows Pkwy Suite 210
N. Syracuse, NY 13212
Project Manager: Gerry Gould
Phone: 315 451-2811 FAX: 315 451-2954
Project Name: Utica Alloy
Project Number: 1194 G
P.O. #:
Analytical Protocol: Deliverables:
Sampled By: G. Gould / D. Stahl

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	VOA	AcB							
						Bin #'s In/Out (For Lab Use Only)								
	UAATO4	11/2	10:32	Soil	1		✓	✓						
	UAATO5	"	10:36	Soil	1		✓	✓						
	UAATO0		13:22	Soil	1		✓	✓						
	UAATO1		11:25	Soil	1		✓	✓						
	UAATO4		12:47	Soil	1		✓	✓						
	UAATO6	↓	12:07	Soil	1		✓	✓						
	UAGWO1	11/2	08:50	groundwater	2	✓								
	UAGWO2	11/1	12:32	"	2	✓								
	UAGWO3	11/1	11:47	"	2	✓								
	UAGWO4	11/2	12:10	"	2	✓								

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by:	11/2 15:13	Received by:	
Print Name:		Print Name:	
Relinquished by:		Received by:	
Print Name:		Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: _____ Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: C.W. F. Cogdich Assoc.
Address: 231 Salina Meadows Pkwy Ste 170
N. Syracuse, NY 13212
Project Manager: Gerry Gould
Phone: 315 451-2811 FAX: 315 451-2954
Project Name: Utica Alloy
Project Number: 1191 6
P.O. #:
Analytical Protocol: Deliverables:
Sampled By:

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	VOA	PCB								Comments
						Bin #'s In/Out (For Lab Use Only)									
	UAGW05	11/2	11:55	Groundwater	6	✓									includes MS/MSD
	UAGW06	11/2	14:?0	Groundwater	2	✓									
	UATD37	↓	15:46	Soil	1		✓								
	UATD39	↓	15:?5	↓	1		✓								
	UATD41	↓	14:59	↓	1		✓								
	UATD42	↓	15:30	↓	1	✓									
	UATD43	↓	15:42	↓	1	✓									
	UATD45	↓	15:10	↓	1	✓									
	UALK66	11/1	[illegible]	Soil	1	✓									taken from GW-3 hole
	UATDF13	11/2	15:3?	water	2	✓									field blank

Relinquished by	Date / Time	Received by	Date / Time
Relinquished by: [illegible] / Print Name:		Received by: [illegible signature] / Print Name:	
Relinquished by: [illegible] Gould / Print Name: [illegible signature]	11/2 / 15:23	Received by: / Print Name:	
Relinquished by: / Print Name:		Received by: / Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: ______ Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions: Trip blank included in this cooler

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental Inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page #: 1 of 2

Client Name: W. F. Cornish, Assoc.
Address: 331 Salina Meadows Rd, Suite 130
N. Syracuse, NY 13212

Project Manager: Gerry Gould
Phone: 315 451 2811 FAX: 315-451-2951
Project Name: Utica Alley
Project Number: 1194 G
P.O. #:
Analytical Protocol: _____ Deliverables: _____
Sampled By: G Gould / R Stahl

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	VOA	PCB	TPH
	UAGWOS	11/1-3	15:00 9:13	Water	2			✓
	UAGWFB	11/3	9:01	water	1			✓
	UAEDFB	11/3	9:53	Water	1		✓	
	UAEDH7	11/2	16:11	Soil	1	✓		
	UAFDH9	11/2	16:15	soil	1		✓	
	UAFDS1	11/7	11:38	soil	1		✓	
	UALDS3	11/7	16:43	soil	1	✓		
	UAIDS4	11/3	8:40	soil	2	✓	✓	
	UAFFS7	11/3	9:26	Soil	1	✓		
	UAHFS8	11/3	9:31	soil	1		✓	

Bin #'s In/Out (For Lab Use Only)

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

includes MS - MSD
for this sample
Field Blank
strong volatile odor

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name: Gerald Gould	11/4 11:40
Relinquished by: Gerald Gould	Date / Time	Received by:	Date / Time
Print Name: Gerald Gould	11/4 13:00	Print Name:	
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: _____ Degrees Celsius
INSPECTED BY: _____
COMMENTS: _____

Special Instructions: shipped in cooler 206

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: W. F. Cosulich Assoc.
Address: 221 Salina Meadows Pkwy, Suite 170
N Syracuse NY 13212
Project Manager: Gerry Gould
Phone: 315 451 2811 FAX: 315 451-2954
Project Name: Utica Alloys
Project Number: 1194
P.O. #:
Analytical Protocol: Deliverables:
Sampled By:

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	VOAs	PCB								Comments
	UATP59	11/3	9:15	Soil	1	✓									
	UATP61	11/3	10:06	Soil	1		✓								

Bin #'s In/Out (For Lab Use Only)

Relinquished by	Date / Time	Received by	Date / Time
Relinquished by: Fed Ex Print Name:		Received by: G. Gould Print Name: Gerald Gould	11/4/ / 14:00
Relinquished by: Gerald Gould Print Name: Gerald Gould	11/3/ / 17:00	Received by: Print Name:	
Relinquished by: Print Name:		Received by: Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: ____ Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions: Shipped in cooler 206

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: W.F. Cosulich Assoc.
Address: 231 Salina Meadows Pkwy Suite 170
N. Syracuse, NY 13212
Project Manager: Gerry Gould
Phone: 315 451 7811 FAX 451-7954
Project Name: Wiem Alloys
Project Number: 1174 G
P.O. #:
Analytical Protocol: Deliverables:
Sampled By: G. Gould / D Stahl

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	VOA's	PCB's								Comments
	VAUV62	11/1/01	13:35	Sediment	2	✓	✓								
	VAUV63	11/1	13:50	Sediment	2	✓	✓								Shipped in cooler #832

Bin #'s In/Out (For Lab Use Only)

Relinquished by	Date / Time	Received by	Date / Time
Relinquished by: Fed Ex / Print Name:	11/1/01 14:00	Received by: [signature] / Print Name: Gerald Gould	11/1/01 14:00
Relinquished by: [signature] / Print Name: Gerald Gould	11/8 14:00	Received by: Fed EX / Print Name:	
Relinquished by: / Print Name:		Received by: / Print Name:	

Special Instructions:

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: ______ Degrees Celsius
INSPECTED BY:
COMMENTS:

CLIENT RETAINS YELLOW COPY ONLY

WILLIAM F. COSULICH
ASSOCIATES, P.C.
ENVIRONMENTAL ENGINEERS

SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-16 DATE 11/2/95

TIME 12:07 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-19 DATE 11/2/95

TIME 09:12 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 14.1 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-22 DATE 11/2/95

TIME 11:36 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 2.2 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-28 DATE 11/2/95

TIME 13:25 WEATHER Rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 84 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS:

odor

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-29 DATE 11/2/95

TIME 11:28 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 97 ppm

CONSTITUENTS SAMPLED: VOA's

REMARKS: odor

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-30 DATE 11/2/95

TIME 14:05 WEATHER Rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 39 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS: odor

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Above Ground Tank Area

FIELD SAMPLE I.D. NUMBER UA-AT-31 DATE 11/2/95

TIME 12:38 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 69 ppm

CONSTITUENTS SAMPLED:

_____ VOAs _____ _____

_____ _____ _____ _____

REMARKS: odor

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-37 DATE 11/2/95

TIME 15:46 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-39 DATE 11/2/95

TIME 15:20 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR none ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED: PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-41 DATE 11/2/95

TIME 14:59 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-42 DATE 11/2/95

TIME 15:50 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED: VOA's

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-43 DATE 11/2/95

TIME 15:42 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0 ppm

CONSTITUENTS SAMPLED:

VOA's

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-45 DATE 11/2/95

TIME 15:10 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED:

VOAs

REMARKS: black cinders

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. Turning Drum Area

FIELD SAMPLE I.D. NUMBER UA-TD-FB DATE 11/2/95

TIME 15:32 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) deionized H2O

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

VOA's

REMARKS: field blank

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-47 DATE 11/2/95

TIME 16:12 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/pla ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

VOA's

REMARKS: near green ponded water

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-49 DATE 11/2/95

TIME 16:18 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould / D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-51 DATE 11/2/95

TIME 16:38 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: PCB's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-53 DATE 11/2/95

TIME 16:48 WEATHER rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G. Gould/D. Stahl

SAMPLE LOCATION/WELLNO. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-54 DATE 11/3/95

TIME 08:40 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

	VOA's	PCB's	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELLNO. field Blank. Empty Drum Area

FIELD SAMPLE I.D. NUMBER UA-ED-FB DATE 11/3/95

TIME 09:53 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) deionized H_2O

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.0 ppm

CONSTITUENTS SAMPLED: PCB's

REMARKS: field blank

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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SAMPLE INFORMATION RECORD

SITE Utica Alloys SAMPLE CREW G.Gould/D.Stahl

SAMPLE LOCATION/WELL NO. Turnings Pile Area

FIELD SAMPLE I.D. NUMBER UA-TP-57 DATE 11/3/95

TIME 09:26 WEATHER rain TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: VOA's

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

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